The
HEMIST AND DRUGGIST
r RETAILER - WHOLESALER - MANUFACTURER

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3391
XLIII FEBRUARY 3, 1945 Annual Subscription (with Diary) 25/-. Single copies 9d.

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(Aqueous Suspension)

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Theelin (Keto-hydroxyœstratriene)—the ovarian hormone first isolated from pregnancy urine by Dr. E. A. Doisy—is sparingly soluble in water and, hitherto, preparations for intramuscular injection have usually been solutions of the hormone in oil. In Theelin (Aqueous Suspension) the œstrogenic hormone is *suspended* in normal saline solution, each c.c. containing 2 mgm. (20,000 International units). Thus a high dosage of œstrone is provided in small volume and in a well-tolerated vehicle.

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It's advertised as a Chemist's Line

Elasto

REGISTERED

The Wonder Tablet

Read What Users of 'Elasto' Say:—

(Original letters have been seen by a representative of "The Chemist and Druggist")

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180. —— R. P.

Rheumatism

nay say that I have found 'Elasto' a wonder- nelp. For years I suffered with rheumatism et and legs, and at times found it difficult to about. 'Elasto,' however, afforded me immediate relief, and, although I was relieved of the pains and inconvenience, I have never ceased to take them regularly, as I have found them to act as a tonic as well, giving me energy that I previously lacked. I have recommended them to many others since.

AT 1108. —— F. T.

Varicose Ulcers

"I have great pleasure in writing to say my legs are quite better and I cannot praise your 'Elasto' enough. I had suffered agonies with varicose ulcers; in fact I thought I should never get them better, but, thanks to 'Elasto,' my legs are completely cured."

AH 1263. —— E. H.

ESE generous acknowledgements are an indication of the solid goodwill behind Elasto. Thousands of users, all over the country, are daily telling their friends of similar eriences with this fine remedy.

ecommend 'Elasto'—and a satisfied customer will recommend You!

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PATA

e NEW ERA TREATMENT CO., LTD.

DEPT. R

CIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1

ROCHE NEWS IN BRIEF

Whooping Cough

Encouraging results were obtained, especially in small infants suffering from whooping cough in a severe form, with intramuscular injections of 'Redoxon' Forte, 500 mg., vitamin C, given daily or on alternate days, 5 to 8 injections per case. Vaccine therapy had proved disappointing and vitamin C by the mouth produced no clear-cut results, but the systematic parenteral administration of 'Redoxon' le to rapid amelioration or complete disappearance of whooping. (Schweiz. med. Wschr., 1944, 1, P. 14.)

Emotional Disturbances and Peptic Ulcer

The importance of the emotional factor is stressed in an article entitled "The Medical Treatment of Psychosomatic Disturbances." Detailed advice is given on diet and on the treatment of fatigue due to a relative hypoglycemia. Drugs paralysing the parasympathetic nervous system are needed. Atropine is useful and raises the blood sugar. "Recent experience with 'Syntropan' indicates that it may have a similar therapeutic application." (*Journ. Amer. Med. Assoc.*, October 14, 1944, pp. 413–418.) 'Syntropan' is a synthetic atropine substitute which acts as an antispasmodic directly on muscle like papaverine, and peripherally through the vagus like atropine.

Riboflavine in Dermatology

Thirty-two boys and 59 adult males suffering from a syndrome consisting of angular stomatitis, glossitis and scrotal dermatitis were placed in small groups and treated with various vitamin preparations. Shark liver oil proved ineffective; milk products and yeast improved or cured the affection. Under or parenteral administration of Lactofla 'Roche' (synthetic riboflavine, now ca 'Beflavit') the clinical manifestations appeared completely in about 3 weeks' t Nicotinic acid alone aggravated the condi in some cases, but appeared to be of v in conjunction with riboflavine (*Indian Gaz.*, lxxviii, No. 7, 1934).

Vitamin B after Head Injurie

The writers in a recent issue of the *B.* suggest the use of vitamin B ('Bene Compound Tablets) in post-operative t ment of head injuries as follows: "Or the many purposes for which the vitam complex can be employed is in the operative treatment of head wounds, su the penetrating cranial injuries we are s due to the campaign on the Western F Such injuries are commonly followed psychological state involving a sh emotivity and undue dependability; a of vaguely juvenile state, difficult to des but readily recognisable by observers have seen any quantity of these cases. The administrat'on of Vitamin B con unmistakably accelerates the return to no of these cases. It also tends to dissipate quickly the disorientation and conf exhibited in a proportion of them. W these latter symptom complexes are disp the addition of extra nicotinic acid to regime is advisable. The preparations are Tab. Benerva Co., the dosage bein the most part two tablets three times a Tablets of nicotinic acid (mg. 50) thr four times daily were added in some The improvement in the physical cond of cases so treated is quite unmistakable. (*B.M.J.*, 1944, II. 800).

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for immunising newly born lambs

The spring lambing season is not far off now, and farmers in the infected areas will soon be requiring supplies of Evans Lamb Dysentery Serum to give protection to the newly born lambs.

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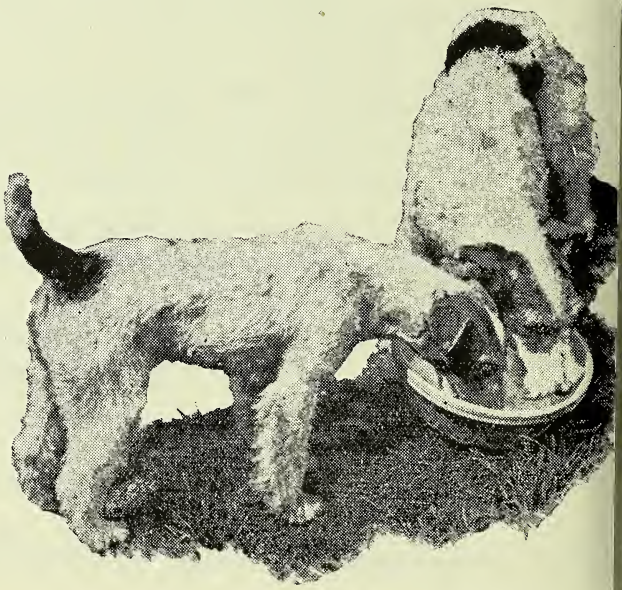
Owing to pressure of work on Governme orders, supplies of Bob Martin lines are necessari limited for the time being. We apologise to o retailer friends for the shortage, and we shall grateful if they will kindly pass on the explanati to their customers. Bob Martin Ltd., Southpo



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	,, ,, 250 ,, ...	18/7½	168/9	28/2	21/-

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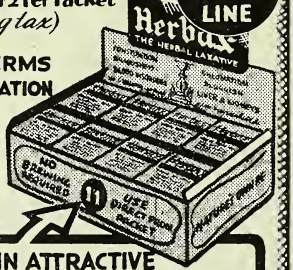

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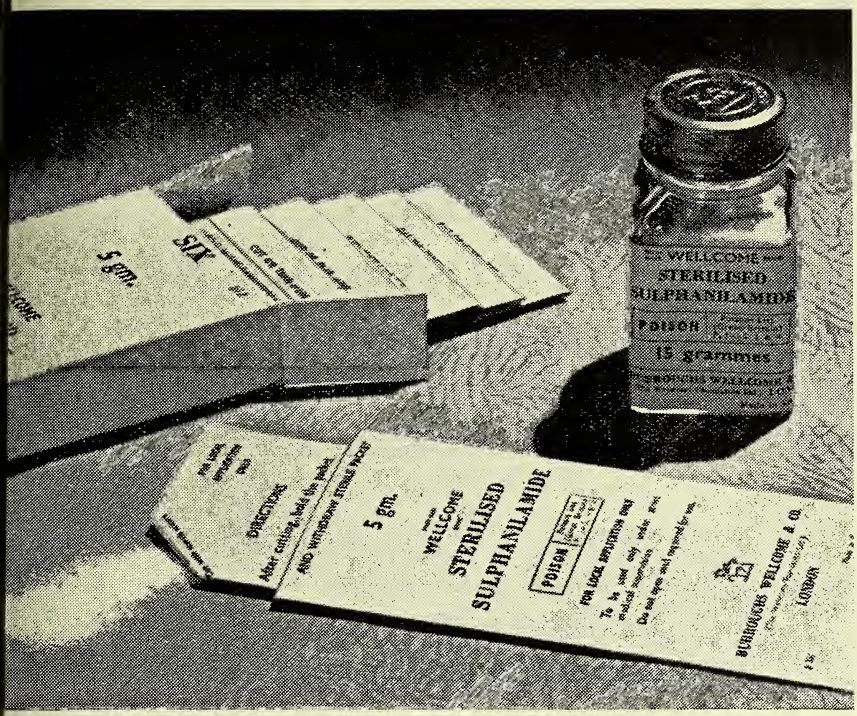

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* Lancet, 1944, 1, 633
† Lancet, 1942, 1 422 and Brit. med J., 1943, 1 318.

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NEWS OF THE WEEK

Control of Shellac Eased.—Licences are longer necessary for the disposal, acqui-on and use of shellac under a Ministry Supply Order (No. 3 of 1945) which rokes the Control of Lac Order (No. 2 1945).

Penicillin Factory for Durham.—It is nounced that the Ministry of Supply is ilding a factory to cover approximately),000 sq. ft. near Barnard Castle, Durham, lway station, for the manufacture of nicillin. When completed, the factory l be taken over by a manufacturer in the ade.

Postcard Service to Holland.—The Post-ster-General announces that non-illus-ted postcards, on personal matters or business matters limited to ascertaining ts and exchanging information, may now sent to the towns of Eindhoven, Geldrop, lkenswaard, Tilburg, Oisterwijk, Boxtel, hijndel, the areas in the immediate inity of these towns, and the territory uth of the river Scheldt. The postal arge is twopence.

Recognition Applied For.—The health committee of the Sunderland town council has made application to the Pharmaceutical Society for approval of the Sunderland Municipal Hospital as a training school for pupils in pharmacy.

Works Fire.—A fire which broke out at the works of Thomas Gould, Ltd., manufacturing chemists, Stockport, Cheshire, recently, is stated to have been caused by molten wax coming into contact with an open fire in the laboratory; no serious damage was caused and production is being maintained.

Eire Examination Results.—At the January Licence examination held by the Pharmaceutical Society of Ireland the following candidates were successful: Anthony A. P. Toher (with honours); Thomas J. Bardon, Vincent Boyd, J. B. Cronin, John G. Duffy, Teresa F. Ellis, Michael F. Hayes, Ethna M. T. Kennedy, Thomas M. Mulcahy, John J. Noonan, Timothy F. O'Driscoll, Nora C. Roche, Jeremiah Ryan.

Women Pharmacists' Dance.—The annual dance of the National Association of Women Pharmacists was held in London on January 17. Mrs. J. K. Irvine, M.B.E. (a member of the Pharmaceutical Society's Council), was present with the president (Miss M. C. Islip), who received the guests. Mr. Peter Irvine acted as M.C. The proceeds (£22) are being forwarded to the Society's War Aid Fund.

Chemists' Friendly Society.—At a meeting of the board of directors of the Chemists' Friendly Society on January 12, Mr. John T. West, M.P.S. (chief pharmacist to the Royal Infirmary, Glasgow), was appointed *President*, and Mr. Alfred J. Smith, M.P.S., F.B.O.A., *Vice-president*. Under the provisions of Section 12 of the National Health Insurance and Contributory Pensions (Emergency Provisions) Act, 1939, the annual meeting, which would normally have taken place in January, has been dispensed with.

Carlisle N.P.U. Branch.—The annual meeting of the Carlisle Branch of the National Pharmaceutical Union was held on January 19, when about 60 per cent. of members attended. The *Chairman* (Mr. L. Sharp) and *Secretary* (Mr. J. L. Robson, 46 Warwick Road, Carlisle) were unanimously re-elected, and the chairman in his address mentioned the successful working of a rota as being the outstanding feature of the year. This had proved a great boon to members. It was unanimously agreed to send £2 2s. to the Pharmaceutical Society's Benevolent Fund.

London Pharmaceutical Committee.—At a meeting of the London Pharmaceutical Committee held on January 16, the chairman (Mr. C. A. Noble) extended a cordial welcome to Mr. E. O. Wells, a new member. He expressed deep regret also at the loss of Mr. Herbert Skinner. Mr. Skinner had displayed great interest, ability and tenacity, he said, in all problems affecting pharmacy in general and London in particular. Mr. Noble then moved a resolution of regret and appreciation, and of sympathy with the relatives. The proposition was seconded by the vice-chairman (Mr. J. Milner), and passed in silence, all members standing. The chairman said it was also his sad duty to report the death on January 11 of Mr. John Keall, a former member and first chairman of the Committee. Messrs. A. R. Melhuish and G. B. Barnard, who had known Mr. Keall for over thirty years, were asked by the chairman to move and second a resolution of condolence n
appreciation. This resolution also a
passed in silence, members stan g
Mr. Melhuish said he had known Mr. a
intimately for many years. His natur a
kind and generous; he was always thoi g
and optimistic, and it was his con n
endeavour to secure improvement i a
sections of pharmacy and the better n
of conditions in his own borough. Mr. E
Footitt, Ph.C., representing North Lor n
was appointed to fill a vacancy on h
Committee occasioned by the deatl o
Mr. Skinner.

Presentation at Hull.—At Hull, on
January 9, a presentation was made to r
F. M. Medhurst, on the occasion of i

resignation as chairman of the Surg
Dressings Manufacturers' Association.
Medhurst has been chairman of the Ass
tion for the past seven years. He was
sented by Mr. R. Hubbuck (Robinson & S
Ltd., Chesterfield) with a canteen of cut
on behalf of the manufacturers represen
Mr. Hubbuck said that, while everyb
regretted that Mr. Medhurst's resigna
had become necessary owing to his numer
responsibilities as managing director
T. J. Smith & Nephew, Ltd., they real
that they could not expect to monopo
the tenacity and talent he undoubte
possessed. Mr. Medhurst hopes to conti
his work as chairman of the National Jo
Industrial Council for the surgical dressi
industry and chairman of the Surg
Dressings Export Group.

TOPICAL REFLECTIONS

ndum VII

ur editorial article and notes on the nth Addendum to the British Pharpœia (pp. 94, 96) form a timely reer of certain new specifications that, this paragraph appears, will already come into force. Matters have probbeen so adjusted that there will be oncession of alternative procedure like sanctioned in respect of parts of ndum VI; and dispensers will need atch prescriptions accordingly. Your rk on the desirability of keeping the nts of the British and United States macopœias in step suggests a further nent. While in each of the two coun- there are galenicals not in general use he other country, the majority of le and compounded substances are non to both: I suggest, therefore, that standards and formulas in the two macopœias should be progressively d to the fullest extent found to be ticable. For some reason unknown to he B.P. continues to ignore capsules, gh U.S.P. XII prescribes limits of ation, methods of assay, average doses ranges of strengths usually available apsules named in it. These number ve—a small number, but an official nition of a well-known type of medient. The British National War Forry (unless it has made additions since st consulted it) has five, the British maceutical Codex has three, and the N.H.I. Formulary had nine.

mparison

e fact that Addendum VII contains a iderably smaller number of tabellæ U.S.P. XII seems to call for an exation. Possibly lack of trained workers arry out sufficient determinations in llotted time is the reason for omitting ral familiar remedies already popular blet form among prescribers. A few nples of U.S.P. tablets not duplicated Addendum VII may be of interest. ng the substances in the new United es list of tablets are extract of cascara ada (gr. 5), codeine sulphate (gr. ½), dered digitalis (gr. 1½), ferrous sulphate 5), tribasic magnesium phosphate 15), magnesium trisilicate (gr. 15), idine sulphate (gr. 3), soluble saccharin ½), sodium nitrite (gr. 1), thyroid (gr. 1). similar arrangement to that prevailing he United Kingdom, a further list of y-three tablets appears in National Formulary VII. It may be hoped that at a convenient opportunity some of the British Pharmaceutical Codex tablets will be promoted to pharmacopœial status. The mere fact of the British Pharmacopœia seeming to lag behind the United States Pharmacopœia in adopting medicines or classes of medicines may give untutored minds the impression that British medicine is in some respects backward. This, as most of us realise, is far from being the case. A further point is that medicine and pharmacy are so closely linked in formulary revision that a reflection on the one is likely to involve the other.

Public Service

One of the speakers in the discussion that followed an address by the president of the Pharmaceutical Society at West Ham (p. 88) "thought it vital that pharmacists should serve on borough and county councils to ensure that their point of view was ventilated." It is, we may all agree, desirable that pharmacists should serve on public bodies when and where it is reasonably possible to do so: as was suggested in this section some time ago, their training is calculated to fit them for handling problems of many kinds. But I cannot go all the way with the speaker referred to. The main difficulty, as I see it, is that the average young pharmacist, however public-spirited, well-read and balanced he may be, is entering on a business career demanding close application to a multiplicity of detail and, even in these enlightened days, long hours of work. Public service, therefore, must normally be attended to in spare time, and must then compete with other interests that have a claim on such leisure as he can command. The proprietor of a pharmacy cannot, unless he is unusually well supported by qualified assistance, leave his shop at stated times for the purpose of attending meetings of councils and similar bodies. When, after years of exertion, he has worked up his business to a condition in which he can safely leave it in charge of a manager or senior assistant, he has probably become averse from the rough-and-tumble of the average municipal public body. We are therefore faced in this matter by a kind of dilemma. I have so far ignored the personal equation. But it is obvious that pharmacists, whatever the nature of their work, are not uniformly able, nor uniformly eager, to join issue in local controversies.

Xrayser

LEGAL REPORTS

Unregistered Seller of Poisons.—At Boston, Lincs, on January 8, Harry Goodman, Pyne Street, Lenton, Nottingham, was fined £1, with £1 1s. costs, for selling a poisonous disinfectant when not registered to sell poisons, and £1 for not having his name and address on the bottle. Goodman pleaded ignorance of the regulations, but said that he had since registered in respect of sixteen branch shops.

Opium Without Authority.—At Lincoln police court, on January 22, Dr. Francis Christopher Toner, until recently *locum tenens* in the employ of Lincoln United Friendly Society, was remanded in custody for one week on a charge or procuring 6 oz. diluted opium when not authorised to do so. A detective inspector said that he had also traced 1,000 tablets of a scheduled drug to defendant, who admitted that he was a drug addict. Toner was a medical practitioner, but his D.D. authorities had been withdrawn.

D.D. Charge Dismissed.—At Newcastle, Staffs, magistrates' court, on January 18, a plea of war-time rush was accepted in a charge against Harold Edward Denby, M.P.S., Watlands View, Porthill. The evidence advanced was that on October 16, 1944, defendant supplied morphine pills to a patient on a prescription. Some days later a Home Office inspector called to inspect his stock and register of Dangerous Drugs and noticed that he was deficient in a certain number of morphine pills. Defendant explained he had failed to make the entry owing to a business rush. He had put the prescription on one side, intending to enter it when the crowd had thinned, but overlooked it; he pleaded guilty. The case was dismissed on payment of costs.

Theft as Bailee.—At Steyning, Sussex, magistrates' court, recently, John Gordon Hodgskin was summoned for theft as bailee of 210 cards of medicinal tablets valued at £49, the property of Coastal Laboratories, Ltd., Brunswick Road, Shoreham. In a statement to the court, a director of the company said that he had engaged defendant to sell and deliver cards of tablets on commission. At the outset 210 cards were supplied to Hodgskin and since then he had not been seen. Hodgskin said that when he started he found that trade was exceedingly bad. He had now sold all the tablets and had not paid in any money, but stated that ten guineas of the £49 (the value of the tablets) was due to him as commission. The magistrates impo a fine of £10 or two months' imprisonme A month was given in which to pay the fi

Redesigned Hair Grips.—A defence t hair grips had been redesigned and m into paper clips, following the fixing maximum prices for the former, succee at Blackburn, on January 5, when twe charges against Richard L. Brunt, ma facturer, Park Road, of exceeding maximum price in the sale of 270 gr were dismissed. The allegation made the prosecution was that, although ca paper clips, the goods remained, in fa hair grips. For the defence it was ur that to evade the law was no offence. offence was in breaking the law. Defend changed over the design, etc., to con the grips into paper clips, in which there no fixed price. Both grips and clips w produced, and the difference in des pointed out. No definition of hair grips was stated, appeared in the regulations. fine of £10 was imposed on a charge of having kept an invoice book as requi by the regulations.

Committed for Trial.—Henry Stanl hairdresser and sundriesman, Kingsw London, W.C.2, was summoned at F Street magistrates' court on January for supplying to Enfield Co-operat Society, Ltd., goods controlled under Toilet Preparations Order without hav the manufacturer's name and address the containers; in excess of a value £41 13s. 4d. in one month; and with keeping proper records. On the first t summonses he elected to be tried by a ju and was committed for trial at the Lond Sessions. The case relating to the reco was adjourned *sine die*. The Board Trade alleged that Stanley purported sell to the Enfield Co-operative Society number of bottles of oil, but actua supplied brilliantine and solid brilliantine unlabelled containers. He also suppl eau de Cologne, brilliantine, honey a flowers, hairdressing and tonic friction Mr. Joseph Joskowitz, Shaftesbury Aven W.C.2. In a room at the rear of Stanle shop were found orchid perfume, eau Cologne and other toilet preparations t retail value of £575. Stanley said he h made them himself on the premises. books showed counter sales of £135 for toi preparations in November, and £169 eighteen days of December 1944. The tra action with Mr. Joskowitz was not entere

TRADE NOTES

Cardboard Boxes.—Edmund Stekel, 214 hopsgate, London, E.C.2, offers the ilities of two factories to manufacturers d others requiring cardboard boxes.

Colchicum Preparations.—William Ran- n & Sons, Ltd., Hitchin, inform us that y have ample stocks available of col- cum preparations made from British- own corms and seeds.

Insect Powder for Pets.—Rentokil, Ltd., 8 Stockwell Road, London, S.W.9, invite emists to write for particulars of R.I.P. ect powder for killing fleas, bugs, lice, ks, etc., on dogs, cats and poultry.

Trade Policy.—Carus, Ltd., Darwen, ncs, makers of surgical dressings, sanitary vels, etc., remind wholesalers that their ablished policy is to distribute their oducts exclusively through wholesalers.

Medical Literature.—Leaflets on Sul- arsan (sulpharsphenamine-Evans); and staphylococcus toxoid-Evans (for inocu- ion of sheep against acute gangrenous astitis) have been issued by Evans Sons scher & Webb, Ltd., Liverpool.

Nationally Advertised Dyes.—Whitaker & . (Kendal), Ltd., offer to send chemists rticulars of their specialities, Auroral d-water dyes and Winner stocking and me dyes, which are being brought to the tice of the public through the Press.

Price List.—The Priory Laboratories, d., 21 Eastbury Road, Northwood, ddlesex, state that their new price list now available on request; also that rhulin suppositories (10's) have been placed by a new packing containing elve suppositories.

Publicity Film.—Between January and tober the Bisodol film, "Food for ought," issued by Kolynos (Sales), Ltd., being shown in over 860 cinemas through- t England, Scotland, Wales and Northern eland. Details of local showings may be d on application to the company.

Price Reductions.—Roche Products, Ltd., elwyn Garden City, Herts, have reduced e prices of nicotinic acid tablets, 50-mgm., 25's, 100's and 1,000's, and of nicotin- nide tablets, 50-mgm., in 25's, 100's and o's. Details of the new prices may be tained from the manufacturers.

Sweetening Tablets.—Emmet Distribu- ng Co., Ltd., 140 Park Lane, London, W.1, e now in a position to supply Geetabs veetening tablets, made in accordance with the provisions of the Saccharin Control Order, 1944, in packets of 100 tablets, delivered in cartons containing two gross.

Treatment of Cutaneous Infections.—Ciba, Ltd., The Laboratories, Horsham, Sussex, direct attention to their specialities Cibazol cream, a non-greasy, water-miscible cream for first-aid burn dressings, and Cibazol ointment, for use in treatment of impetigo, etc. Both preparations contain 5 per cent. sulphathiazole-Ciba, and are issued in containers of 1 oz. and 1 lb.

Catching Up on Deliveries.—Johnson Agencies (Proprietaries), Ltd., Clarendon Works, Clarendon Road, Croydon, express regret to chemists that owing to heavy demands for Vola Seltzer tablets, for which they are the sole distributors, they have become ten weeks behind with deliveries, but hope that a large number of accumulated orders will be dispatched within the next three weeks.

Lipstick Warning.—Coty (England), Ltd., 41 High Street, Leighton Buzzard, issue on another page a warning to the trade that proceedings will be taken against any person in whose possession are found articles bearing the name Coty which in fact are not of Coty manufacture. It has come to the notice of the company that spurious products, particularly lipsticks, have appeared on the market under Coty names.

Fluorescent Lighting.—Two types of Sieray 80-watt fluorescent tubular lamps are now available from Siemens Electric Lamps & Supplies, Ltd., 38 Upper Thames Street, London, E.C.4. These are "daylight" and "warm-white," which are identical in all respects except the colour of their light emission. The "daylight" lamp is designed to produce light of a quality closely approximating to natural daylight; it has been on the market for some years. The "warm-white" fluorescent lamp gives a less close resemblance to daylight, but is put forward as being more suitable for most commercial and domestic purposes.

Business Changes

WILFRED STRETCH & CO., LTD., manufacturers of Femex sanitary towels, have removed to Union Works, Castleton, Lancs.

Proprietary Articles Trade Association

Addition to Protected List.—High-potency Ostelin ampoules, six 1-cc., 67s. 6d. doz., tax 11s. 3d. doz., inclusive retail price, 8s. 5d.

Deletion.—*B. Salter & Son*, Castle brand fruit-preserving solution.

BIRTHS

THOMAS.—At Nantlais, 10 Plasdraw Road, Aberdare, on January 28, the wife of H. Noel Thomas, M.P.S., of a son (John Stuart).

YACOMENI.—At Isdale, Comrie, Perthshire, on January 20, Christina, the wife of William J. Yacomeni, M.P.S., of a daughter.

MARRIAGES

HIGGINS—CARROLL.—At the University Church, Dublin, recently, P. J. Higgins, M.P.S.I., Bailieboro, co. Cavan, to Lilian Carroll.

Golden Wedding.—BOYES—MCCALLUM.—On January 23, 1895, at the Parish Church, Woodford, W. J. Boyes to Lily Bell McCallum. Present address, 61 Balham Hill, London, S.W.12.

DEATHS

ARMSTRONG.—Suddenly, at his home, Chequers, Galleywood, Chelmsford, Essex, on January 25, Mr. Frank Armstrong, a director of Stafford Allen & Sons, Ltd., manufacturing chemists, Wharf Road, London, N.1, aged sixty-seven. Mr. Armstrong started with the company as a boy, and worked his way up during a period of service of just over fifty years. His chief activities were on the sales side of the business, and he was well known to a large number of the company's customers.

BURBRIDGE.—On January 27, after a short illness, Mr. James Kerry Burbridge, formerly a member of the staff of William Warne & Co., Ltd., india rubber manufacturers.

COOMBS.—Presumed killed in air operations, Flying-Officer Grahame Frederick Coombs, R.A.F., M.P.S., 111 Bushmore Road, Birmingham, 28. Flying-Officer Coombs qualified in 1935.

DENHAM.—At Norwinest, Mayfield Drive, Littleham, Exmouth, on January 10, Mr. Frederick John Denham, formerly of the Savoy Pharmacy, Cairo, Egypt, aged eighty-one. Mr. Denham qualified as a pharmaceutical chemist in 1885.

DYCE.—At a hospital in Perth, Western Australia, on January 21, Mr. John Dyce, M.P.S., formerly of Singapore. Mr. Dyce qualified in 1922.

ENTWISTLE.—At his home in Boundary Street, Southport, on January 18, Mr. Roland Ross Entwistle, M.P.S., aged fifty-four.

EWING.—At the St. Helier Cou Hospital, recently, Mr. John Gaul Ew 30 Rosehill Park West, Sutton, Sur Mr. Ewing qualified as a chemist druggist in 1913.

FISHER.—On January 19, Mr. Sid Ralph Parkinson Fisher, Ph.C., 6 Orch Street, Preston, aged sixty-nine. At funeral, on January 24, the Preston Ph macists' Association was represented Messrs. Williamson and Yates, and business of Fisher & Fisher, chemists, Mr. R. F. Gardner.

GILMOUR.—On January 15, Mr. And Gilmour, 68 Mount Pleasant Road, N Malden, Surrey, aged forty-six.

GREEN.—On January 4, Mr. Jos Henry Benjamin Green, formerly of Ashbourne Grove, East Dulwich, Lond S.E.22. Mr. Green qualified as a chem and druggist in 1887.

HART.—On December 22, 1944, M Winnifred Daisy Hart, Ph.C., Colnbro Bucks. Miss Hart qualified as a chem and druggist in 1909 and as a pharm ceutical chemist in 1911.

MCMULLAN. — The interment of Thomas McMullan, D.L. (see *C. &* January 27, p. 84), took place at Ban New Cemetery on January 23. Althou intimated as private, it was largely attend Thomas McMullan & Co., Ltd., was rep sented by Messrs. F. Moore (manag director), T. W. Gibson, T. Montgom and F. Johnston (directors) and memb of the staff. The Pharmaceutical Soci of Northern Ireland was represented Mr. Charles Abernethy (president), Mess H. F. Moore, J. McGregor, and D. Kirkpatrick (secretary); the Ulster Ch mists' Association by Messrs. A. E. Johnst (president) and H. P. Crossin (immedi past-president), and the North Do Chemists' Association by Messrs. R. H and S. H. Forrest. At a special meeting the Belfast Harbour Board on January a resolution was passed recording the gre loss the Commissioners had sustained Sir Thomas's death.

MCWILLIAM.—On December 27, 19 Mr. John McWilliam, formerly of Bourn mouth, aged seventy-five. Mr. McWilli qualified as a chemist and druggist in 18

MOORE.—At 18 Buckingham Avenu London, N.20, on January 26, Mr. Gera Leslie Moore, formerly deputy-chairman the Wellcome Foundation, Ltd. No flowe by request.

RESTON.—At 42 High Street, Loch-
och, Renfrewshire, on January 25,
John Husband Preston, M.P.S., aged
-five.

VILLE.—On January 8, Mr. Walter
ect Saville, M.P.S., Weldon House,
ty Avenue, Dringhouses, York, aged
nty-three. Mr. Saville was a past
rman of the York Chemists' Association,
a member of the York Insurance
mittee.

DEY.—At Galen, Musselburgh, on
uary 23, Mr. George McNab Sidey, 138
h High Street. Mr. Sidey qualified in
.

ITH.—On January 2, Mr. William
h, M.P.S., 108 Victoria Street, Dyce,
rdeen. Mr. Smith qualified in 1907.

ITH.—On January 3, Mr. Charles
h, M.P.S., 3 Mostyn Street, Llandudno,
seventy-two.

EGGALL.—At Woodend, Dundee, on
uary 8, Mrs. Isabella Katherine Frazer
gall, widow of the late Professor
gall, aged eighty-eight. Mrs. Steggall
a daughter of the late Sir James G.
er, author of "The Golden Bough,"
a granddaughter of the late Mr. Daniel
er, chemist and druggist (Frazer &
n, Chemists, Glasgow).

EWART.—On October 13, 1944, Mr.
ert McAll Stewart, M.P.S., 1 South
e, Kingsbridge, Devon, aged eighty-

HOMSON.—Recently, Mr. Peter Thom-
M.P.S., 125 West Bridgend, Dumbar-
Mr. Thomson qualified in 1898.

UFFIN.—On December 31, 1944, Mr.
ed Henry Tuffin, 15 Powis Road,
hton, aged seventy-one. Mr. Tuffin
lified as a chemist and druggist in 1896.

ARD.—On December 7, 1944, Mr.
len Beecher Ward, M.P.S., 144 Cliffe-
Road, Norton Lees, Sheffield. Mr.
rd qualified in 1914.

ATSON.—On January 7, Mr. James
ard Henry Watson, M.P.S., 43 King
et, Norwich, aged seventy-five.

ATT.—At Aberdeen Royal Infirmary,
ntly, Mr. Marshall Keith Watt, M.P.S.,
Esslemont Avenue, Aberdeen. Mr. Watt
lified in 1896. He was in Singapore for
umber of years before opening his own
iness in King Street, Aberdeen, in 1908.
er the business was transferred to Essle-
nt Avenue.

PERSONALITIES

COLONEL R. F. MOTTERSHEAD, principal of Lord & Co., dental appliance manufacturers, Tontine Street, Blackburn, has been elected chairman of Blackburn Higher Education Committee.

DR. LESLIE FREDERICK WIGGINS, Birmingham University, has been awarded the Harrision Memorial prize for 1944, in recognition of the outstanding quality of his researches on the transformation products of hexose sugars.

MR. GWILYM H. HUGHES, M.P.S., 24 High Street, Conway, for many years the political agent in Conway and district for Mr. Lloyd George (now Earl Lloyd George), has been nominated by the local Liberal Association as a candidate in a by-election in the Carnarvon Boroughs division.

WILLS

MR. CLEMENT SIGGERS, M.P.S., 77 Abbeville Road, Clapham Park, London, S.W., left £2,799, with net personalty £2,242.

MR. FRANCIS JOSEPH BRAY, 186 Baginton Road, Coventry (secretary of Wyleys, Ltd.), left £2,673, with net personalty £1,467.

MR. CHARLES DAVID BLAKEMAN, druggist, 549 Hartshill Road, Hartshill, Stoke-on-Trent, left £6,697, with net personalty £5,045.

MR. SAMUEL JACKSON, chemical manufacturer, 84 Cambridge Road, Southport, Lancs, left £28,884, with net personalty £26,778.

MR. OLAF FREDERICK BLOCH, F.R.I.C., F.R.P.S., London, N. (research chemist, Ilford, Ltd.), left £4,703, with net personality £4,207.

MR. LEONARD NEWTON HENSMAN, Ph.C., London, S.W.2 (a director, John Bell, Hills & Lucas, Ltd.), left £11,663, with net personality £10,466.

CAPTAIN CHARLES TURNER PACKARD, M.C., Poplar Tree, Copdock, nr. Ipswich, Suffolk, a director of Fison, Packard & Prentice, Ltd., left £21,694, with net personalty £14,308.

SIR HUMPHRY DAVY ROLLESTON, Bart., G.C.V.O., K.C.B., M.D., Martins, Haslemere, Surrey, for many years Physician-in-Ordinary to King George V, Regius Professor of Physics at Cambridge, 1925–32, left £37,010, with net personalty £29,963.

SECOND-HAND PHOTOGRAPHIC APPARATUS

After consultation with the Central Price Regulation Committee, the Board of Trade has made an Order removing certain second-hand photographic apparatus (including cinematograph projectors for 16-mm. film) from the scope of the Second-hand Goods (Maximum Prices, Maximum Charges and Records) Order, 1943. For this apparatus a revised form of price control is substituted. Apparatus listed in a Schedule to the Order is no longer subject to the ceiling of "first-hand price"; instead, the dealers' maximum selling price is calculated by adding to the actual price paid to the private owner for the second-hand article a gross margin of 50 per cent. of the retail cash price of the new article at August 21, 1939. Expenses incurred by the dealer for reconditioning or repairing before sale must be met out of this margin, and dealers are required to keep a stock record of all transactions relating to the scheduled apparatus. All other articles of photographic apparatus (including projectors for sub-standard film) remain subject to the Second-hand Goods Order, 1943. The new Order (S. R. & O., 1945, No. 38) came into operation on January 29. Copies, price one penny, may be obtained from H.M. Stationery Office.

Schedule

The following goods are listed in the Schedule to the Order:—

1. Still cameras of the following descriptions:

Exakta.	Rangefinder Bessa.
Leica.	Superb (Voigtlander).
Makina.	Focussing Brilliant.
Minox.	Weltini.
Primarflex.	Contax.
Reflex Korelle.	Contaflex.
Retina.	Ikoflex.
Robot.	Nettax.
Rolleicord.	Super Ikonta.
Rolleiflex.	Super Nettel.
Super Baldina.	Tenax.

2. Lenses and range-finders of a type specially designed and manufactured for use with cameras of the descriptions specified in 1 above.
3. Viewfinders of a type specially designed and manufactured for use with lenses of the descriptions specified in 2 above.
4. 16-mm. cinematograph projectors and cameras (both silent and sound) and lenses of a type specially designed and manufactured for use with such cinematograph projectors and cameras.
5. Still projectors (the basic price of which was £5 or more), including lenses and accessories of a type specially designed and manufactured for use with such still projectors.
6. Epidiascopes.
7. Episcopes (the basic price of which w £8 or more).
8. Exposure meters having photo-electr cells.
9. Vertical enlargers (the basic price of whic was £9 or more), including lenses of a ty specially designed and manufactured for u with such vertical enlargers.

The Photographic Dealers' Associatio has drawn up an explanatory leaflet on th Order. Editorial comment, p. 120.

TRADE MARKS

(From "The Trade Marks Journal," January 10)

"Guerlain"; for perfumes, cosmetics, toil preparations (3). By Guerlain, Ltd., Corne of Aintree Road and Frazer Road, Perival Middlesex. 624,319 (Associated).

"Napka"; for toilet preparations for th skin (3). By Trinity Laboratories, Ltd Brook House, Old Mill Street, Blackburr 631,214.

"Coralose"; for pharmaceutical substance for use as circulatory and respiratory stimu lants (5). By Society of Chemical Industry i Basle, c/o Abel & Imray, Quality Court London, W.C.2. 625,766.

"Tan-kem"; for pharmaceutical preparation (5). By Tanners Chemists, Ltd., Crave House, Kingsway, London, W.C.2. 631,571

A cross device, with condition that it shall no be used in red, in blue, or in white or silve on a red ground, or in any similar colour o colours; for pharmaceutical substance (human and veterinary), disinfectants, medi cated toilet paper, weed killers and vermi destroyers (5). By Newton, Chambers & Co. Ltd., Thorncliffe Ironworks & Collieries, nr Sheffield. 626,302 (Associated).

"Eyelex"; for medicated eye lotion (5). B B. J. S. Hammond, 9 Bruce Grove, Totten ham, London, N.17. 631,784.

"Geloplex"; for dehydrated seaweed and sea moss, extracts of the locust bean and o the soya bean, all for use as food or as ingredients in food (29); also for gelatin an locust bean meal for same (30). By Ashe Laboratories, Ltd., 120–22 Victoria Street Westminster, London, S.W.1. 630,787–88 (both Associated).

Device for mediæval trumpeter, with word "Tabard" beneath; for cooking essences, flavourings (other than essential oils); cereals, etc. (30). By A. Goldrei & Co., Ltd., Tabard House, 116 Southwark Street, London, S.E.1. 630,065 (Associated).

"Rose's"; for lime confectionery and honey (30); and for lime juice, fruit squashes, cordials (32). By L. Rose & Co., Ltd., 89 Worship Street, London, E.C.2. 630,971, 630,113 (both Associated).

"Jubal"; for squashes and cordials (32). By Davies Brothers, 1 Quay Road, Neath, South Wales. 631,397.

COUNCIL'S REPORT ON CONFERENCE RESOLUTIONS

ie Council of the Pharmaceutical Society Great Britain has issued the following port on the resolutions passed at the anch Representatives' meeting, 1944.

dministrative Structure of Proposed N.H.S.

" That this meeting of Branch Representa- es approves the outline prepared by the int Committee as the general basis of the ganisation of the pharmaceutical section of National Health Service." The Council cepts the Joint Committee's report as the sis of negotiation over the administrative ructure of the service.

onstitution of Joint Committee

" That this meeting of Branch Representa- es considers that the Joint Pharmaceutical ommittee should include a pharmacist legate from the company chemists." This solution was passed by seventy-seven otes to forty-six. The proposal has been urther fully considered by the Council, hich has concluded that it would be nwise at the present time to extend the embership of that Committee. Its mem- ership is confined at present to representa- ives of organisations which have a sub- tantial community of interest and, if thers were to be added, the additions ould not be restricted to representatives f the Company Chemists' Association. he Council agrees that it is desirable that, efore the proposals are submitted to the inister of Health, they should be submitted o and discussed with as wide a representa- ion of pharmaceutical opinion as possible, nd has no doubt that the Joint Committee will shortly invite the opinion of the Com- any Chemists' Association, and of other odies not at present represented on the Committee, upon its proposals while they are still in draft form.

Dispensing

" That in the opinion of this Branch Representatives' meeting, the Council of the Society should, after securing the best legal advice on the procedure to be followed, institute the necessary proceedings, without regard to the expense involved, in order to achieve the following result: that the dispensing of all prescriptions for human use or consumption shall only be performed by a pharmacist." This resolution expresses a desire which has always been held generally by pharmacists, namely that all dispensing should be undertaken by them. The resolution is apparently designed to secure that whatever private dispensing remains after the institution of a National Health Service should be undertaken by pharmacists, in the same way as dispensing under that service. The future of private dispensing is so much bound up with the National Health Service that no useful purpose would be served by giving special attention at present to the matter. It will, however, be borne in mind, and any favourable opportunity taken to move in the desired direction.

Constitution of Local Pharmacy Boards

" That this conference recommends that the local Pharmacy Boards shall consist mainly of pharmacists, and that those pharmacists shall be elected from and by pharmacists practising under the scheme." This resolution will be borne in mind when negotiating over the administrative structure of the National Pharmaceutical Service.

COMING EVENTS

Notices for inclusion under this heading should be sent in time to reach the Editor at Bath not later than Wednesday morning of the week of insertion. Secretaries are advised to send copies of printed programmes of local activities so soon as they are completed.

Tuesday, February 6

COSMETIC AND TOILET PREPARATIONS TRADE ASSOCIATION OF GREAT BRITAIN, LTD., Connaught Rooms, Great Queen Street, London, W.C.2, at 12.30 p.m. Annual meeting.

Wednesday, February 7

NATIONAL CO-OPERATIVE MANAGERS' ASSOCIATION, LTD. (Managing chemists' section), Central Hall, Bath Street, Glasgow, at 7 p.m. Meeting.

Thursday, February 8

CHEMICAL SOCIETY, University College of North Wales, Bangor, at 5.30 p.m. Professor Polanyi on "The Strength of Carbon Bonds."

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Dr. S. A. Sarkisov (Professor of Neuropathology, Moscow Institute of the Brain, and representative in Great Britain, Red Cross and Red Crescent of the U.S.S.R.) on "Health Services of the Soviet Union."

Friday, February 9

CHEMICAL SOCIETY, Chemistry department of Sheffield University, Western Bank, at 5.30 p.m. Professor W. Baker on "Non-benzenoid Aromatic Systems."

Sunday, February 11

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Chapel, Kettleshulme and Disley. Meet London Road station, 10 a.m. Book Chapel South return.

IRISH DRUG ASSOCIATION DINNER

A DINNER given by the Irish Drug Association on January 9 brought together a representative gathering from every section of the drug trade in Eire. Mr. Lyall G. Smith (president of the I.D.A.) was in the chair, and he had with him at the top table Messrs. C. J. Cremen (president, Pharmaceutical Society of Ireland), J. K. Whelehan (vice-president), P. C. Cahill (treasurer), J. J. Kerr (registrar), G. A. McLean Lee (treasurer, I.D.A.), N. A. McKane, Ballina; and Sir Thomas Robinson.

The Society and the I.D.A.

MR. T. R. BOURKE proposed the toast "The Pharmaceutical Society of Ireland." He marvelled that the Society had been able to do so much within its restricted powers under the Pharmacy Acts.

MR. C. J. CREMEN (president of the Society) responded. He felt they could accept the hospitality of the I.D.A. because the Society had the responsibility of putting up with the teething, growing pains, and development of the young men going into pharmacy. When they qualified, the Society shared them with the I.D.A. There were one or two points he would like to make in connexion with the Society. The first was that University education, both in England and in Eire, was subsidised by the Government to two-thirds of the cost, while the Pharmaceutical Society of Ireland had been able to finish its students entirely out of its own revenue. The time had arrived when publicity might be got for the Society on this point. The Society, from being merely an examination machine, was gradually now accepting its responsibilities to students, in whose cultural and recreational activities it was playing its part.

Proposing "The Irish Drug Association," MR. J. K. WHELEHAN thought all would agree that, if the Pharmaceutical Society was the soul of pharmacy, then the I.D.A. was the body. The I.D.A. was the arms that gave the punches, the legs that gave the kicks, and the brains that worked out schemes. When they spoke of the I.D.A. they really must boil it down to the officers and executive committee, who did all the hard work. The executive had necessarily to be composed of city men, but these men never failed to understand the difficulties of country chemists. The Association had started as a price-making body, but its activities now went much further afield.—SIR T. ROBINSON, doyen of Irish pharmacy, received an ovation when he rose to support the toast. As one of the pioneers the Assocation, he paid tribute to the wo it had done; the Association had alte the whole course of their profession, a they were under many obligations to it.

MR. LYALL G. SMITH, responding, p tribute to the work of his predecessors the chair, through whose efforts nea every practising pharmacist in Eire w now a member. The power of the Assoc tion, which depended on loyalty and operation, was increasing every year. urged manufacturers who sought to mark their goods through Irish pharmacists consult the I.D.A. before doing so.

"The Local Associations" was propos by MR. A. J. DONNELL, who said it had n yet been finally decided whether Dublin Cork was the capital of Ireland. Cork, saw, was ably represented that night Mr. McSweeney, and Kerry by Mr. Ja Sewell. When he thought of the Wes meath Association he must pay tribute Mr. Whelehan for his successful fight again firms which thought pharmaceutical che ists unfit to handle veterinary products.

Room for Further Organisation

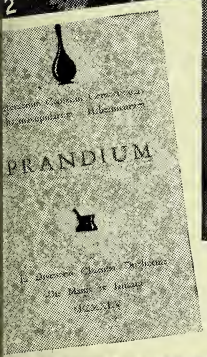
MR. N. A. MCKANE, Ballina, was greet with cries of "Up the West" when he ro to respond. He did not agree that t provinces were fully organised. There w room for further organisation—at least his part of the country.

MR. F. X. MEAGHER was at the top his form, as Irish pharmacy's No. 1 afte dinner speaker, in proposing the toast "Our Guests." As he enumerated th guests the gathering rocked with merr ment. MR. ANDY MAHER (captain of th chemists' golf club) replied.

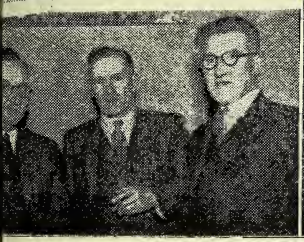
The guests pictured opposite are:—

1. *Seated*, Mr. J. J. Kerr (registrar, Pharmaceutic Society of Ireland), Sir T. Robinson, Messrs. C. Cremen (president of the Society), and Lyall G Smith (president, I.D.A.). *Standing*, Messrs. G. A McLean Lee and P. C. Cahill.
2. Messrs. P. Fullam, Naas; J. K. Whelehan, Mullingar J. P. Kissane, Tipperary; F. P. Ryan, Mountrath *Standing*, Messrs. E. McSweeney, Cork; J. J. Sewell Killarney; N. A. McKane, Ballina; R. Austin, Limerick; W. Hanley, Limerick; M. Power, Limerick
3. Messrs. J. J. Tierney (Chemists' Rugby Club); M J. Treacy (chairman, social committee); and Charle Ward (president, Students' Representative Council)
5. Messrs. Brendan Smith, M. Costelloe, D. Woulfe F. X. Meagher and T. R. Bourke.
6. Messrs. J. J. Roche (treasurer, Irish Chemists Golfing Society), A. Maher (captain) and P. H Fahey (secretary).
7. *Seated*, Messrs. J. Fasken (chairman, wholesal section, I.D.A.); T. Ruddock, A. W. Hughes *Standing*, Messrs. R. White, S. McAuley, P. C Cahill, W. R. Such, and I. C. Dawson.

JESTS AT DUBLIN
UG TRADE DINNER



1. The presidents of the Pharmaceutical Society and Irish Drug Association and others at the head table. 2. Provincial representatives. 3. Pharmaceutical assistants and students. 4. Menu card in pharmaceutical Latin. 5. Organisers of the dinner. 6. Irish Chemists' Golfing Society. 7. Wholesalers' section. (*Names on opposite page*)



ULSTER CHEMISTS' ASSOCIATION

At the January meeting of the executive committee of the Ulster Chemists' Association, Mr. A. E. Johnston (president) in the chair, there were present the Misses L. M. Forrest and E. Wellwood, and Messrs. J. C. Acheson, H. P. Crossin, F. A. Ferguson, R. Gibson, R. Hall, A. T. Hardy, J. N. Hogg, James McDowell, R. A. McEwen, J. McGregor, R. McMullan, E. A. Poots, E. A. Richey and A. Steede.

Correspondence

Copies of correspondence between the Ulster Chemists' Association and the Ministry of Health and Local Government concerning the Health Advisory Council, which had been sent to each Member of the Northern Ireland Parliament with a covering letter, was read, as was a letter to the Press. The meeting approved of the procedure adopted. A letter was received from the Ministry of Food notifying that supplies would be made available to chemists applying to Colwyn Bay for starch for use in dispensing.

N.H.I. Remuneration

A draft questionnaire and covering letter on National Health Insurance remuneration, prepared by a subcommittee as directed, was discussed, and several minor amendments made. It was then proposed by Mr. E. A. Richey, seconded by Mr. A. T. Hardy, and carried, that the draft questionnaire and covering letter, as amended, should be sent out to members forthwith.

Fruit Squashes and Hot-water Bottles

In correspondence on the subject of diabetic fruit squashes, the Chemists' Friends' Association had suggested that the U.C.A. should take up with the Ministry of Food the arrangements for supply in Northern Ireland, and it was agreed that the Divisional Food Office should be asked to arrange for local manufacture of diabetic fruit squashes. The Ministry of Health and Local Government, replying to an inquiry by the secretary, wrote stating that the price of rubber hot-water bottles, supplied against official permits issued by them to patients presenting a doctor's certificate, had been fixed at 5s. 6d.

A communication from T. McCully & Co., Ltd., pharmaceutical chemists, Londonderry, advised that the company would not in future be trading as pharmaceutical chemists, and it was agreed t the name of the company should be dele from the list of members.

A report had been received from treasurer (Mr. Rankin), stating that he transferred £200 from the Associatio current account in the Northern Bank, L to the Association's account in the Bel Savings Bank, and it was directed that should be recorded in the minutes.

Advices to Members

It was agreed that the following not should be included in the next pr alterations advice: 1. A reminder members that, if they had not already d so, they should pay their annual lice fees for 1945 at once. 2. Particulars post-graduate lectures arranged by Pharmaceutical Society of Northern Irela 3. A recommendation that all photogra reprints and enlargements should be for by customers in advance.

The secretary was directed to write the Ministry of Labour asking that ment of N.H.I. cheques to contrac chemists should be expedited, and poin out that payments had recently been to six weeks late.

Associates' Section

The following applications for associ ship, which had been accepted by Associates' committee at a meeting December 28, 1944, were presented: *P maceutical Chemists*—Miss S. A. Ir Messrs. Gerald J. J. Lang, and Ro McAuley. *Apprentices*—Messrs. Joseph Stewart and John Boylan. On the prop of Mr. H. P. Crossin, seconded by Mr McGregor, the applications were appro

The secretary had written the secre of the Associates' Section, formally advi the election of the executive commi representatives to the Joint Council of Association and the appointment of members of the executive committe attend meetings of the associates' c mittee by invitation. Mrs. E. H. (secretary, Associates' Section) now adv the appointment, by the Associates' C mittee, of the following: *Representative Joint Council of Association*, Messrs. W Boyd, Ph.C. (vice-chairman), M. D. Mc Ph.C. (*ex-officio*), H. W. Gamble, P and G. McCloy, Ph.C. *Representative invitation at general meetings of the exec committee*, Mrs. E. H. Barr and W. J. Gray.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

: Council of the Pharmaceutical Society Northern Ireland met in Belfast on uary 19, the president (Mr. Charles rnethy) in the chair. Also present were srs. J. W. Gray, J.P. (treasurer), Glendinning, James Donaghy, H. F. ɔre, S. H. Forrest, W. C. Tate, J. T. ıoll, J. McGregor, and Dr. S. E. A. eson. Mr. D. L. Kirkpatrick (secretary) in attendance. THE PRESIDENT made pathetic reference to the passing of the ety's first honorary member (Mr. bert Skinner), which had occurred since r previous meeting. To Mr. Skinner's ɔw and those closely connected with he proposed they should send from that ting a letter conveying their deepest pathy. He asked members to remember their friend and brother pharmacist James Macauley, who had passed away lenly the previous week. He asked a letter should be sent to his widow and her conveying their deepest sympathy ıeir sorrow and loss. The president also tribute to Mr. David Warwick, a native 'arkgate, co. Antrim, who had recently ed away. Mr. Warwick was a former ident of the Pharmaceutical Society of ınd. The secretary was directed to send ɛtter of sympathy to the relatives. pathetic reference was also made to the ss of Mr. James McDowell (vice-ident), and the Council was gratified ɛarn that he was making satisfactory ress.

ıbership

ıe following were elected members of Society: Messrs. J. A. Howard, Church ıue, Dunmurry; Malachy Mooney, ı Street, Dungannon; John Pattison in, 3 Main Street, Limavady; and John nond Murphy, Woodvale Road, Belfast.

niners' Reports

ɛporting on the Preliminary Scientific nination held in December 1944, the niners stated: CHEMISTRY.—The per-age of failures (46 per cent.) was rather . Few good theoretical papers were ıved, the majority of candidates show-lecided weakness. Those who did poor ry papers were also poor on the prac-side. More care should be taken over metric calculations. Several candidates e a slip in reversing the factor for the r-nitrate solution. As in the previous nination, the qualitative exercise was done well. Many candidates would ɛ been well advised to postpone their ies. BOTANY.—Of the twenty-five candidates who entered for the examination in botany twenty-four presented themselves. Thirteen passed, and the remaining eleven failed to obtain the marks required; of these eleven, eight failed the entire examination and three were referred in botany and physics. The standard of answering in both theoretical and practical examinations was definitely low. PHYSICS.—Candidates' work was, on the whole, not good, in either the theoretical or practical papers, the practical being somewhat the better. The answers showed, in general, that candidates did not know the basic facts accurately. Poor answers to two of the questions indicated that entrants had learned by heart the ordinary calorimeter and photometer formulas, but had no real grasp of what the formulas signified, and were unable to make the slight modifications which the questions required. Both the theoretical and practical work were neat, and the diagrams used to illustrate the answers were often numerous and carefully drawn.

Qualifying Examination

Of the Final Qualifying examination the examiners stated: CHEMISTRY.—On the whole the answering reached a good standard, several candidates scoring high marks. There were few failures, and candidates appeared possessed of a sound knowledge. The practical was quite well done in most cases. PHARMACY.—The number of passes was higher than usual, and, on the whole, the questions were fairly well answered, only two candidates failing to obtain pass marks. Forensic pharmacy and posology continued to be good. In the practical examination a moderate standard of dispensing was displayed, but candidates were slow, and seemed to devote a lot of time to calculations. Three B.Sc. candidates for the practical pharmacy examination showed a high standard of dispensing. PHARMACOGNOSY.—The standard of the written paper was not high, but two candidates received high marks. Sketches and diagrams showed a great improvement. In the practical examination a good standard was maintained in identifying crude drugs; microscopical work was well done.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the *C. & D.*, 17 Argyle Street, Bath, Somerset.

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CXLIII FEBRUARY 3, 1945 NO. 3391

fact that goods made of raw materials hort supply owing to war conditions are rtised in this paper or described in its rial columns should not be taken as an cation that they are necessarily available xport.

A Business Proposition

ING recent years, pharmacists have me accustomed to the passing of pri- pharmacies into the hands of multiple similar concerns for lack of funds at the osal of individual buyers. Many pro- tor pharmacists would prefer to see pharmacies continue in private owner- but cannot, for economic reasons, be cted to refuse an offer from any ready er backed with the necessary funds to t a prompt and satisfactory sale. The lem, which at one time offered a threat ecline in private pharmacy, now ap- s to be on the point of solution, pro- d a good response is forthcoming for Business Purchase and Guarantee d, sponsored by the National Phar- utical Union, details of which have sent to members.

order to finance a scheme of this kind, le monetary resources are required, and N.P.U. invites not only retail chemists, all interested in the continuity of pri- ownership of pharmacies, to contribute he limit of their means in a common t to preserve pharmacy for individual macists. Details of the methods of iring membership of the fund, either by investment or donation, have been sent to members; but, for the benefit of those who have not received the N.P.U. circular, it may be pointed out that generous donations will be specially welcomed from pharmacists, firms and corporate bodies to put the fund in a good position to carry on its work effectively from the start. Any sum may be donated, but a donation from a pharmacist of not less than £100 carries with it membership of the fund. From an examination of the explanatory data sent out by the N.P.U., there would appear to be no class of private pharmacist that will not benefit from the new scheme. For example, a proprietor who has no immediate intention of disposing of his business will feel that, in the future event of his wishing to sell, a suitable private purchaser will readily be found. He may, on the other hand, wish to change to a larger business, and here again the fund will be able to assist. Managers and assistants who have saved sufficient capital to cover 25 per cent. of the purchase price of a substantial business can also be helped by the fund—an incentive to personal progress that will be welcomed by many. In short, it is sought to provide the financial backing to private pharmacists that has hitherto been lacking, and to give them an opportunity of acquiring businesses at least equal to that enjoyed by their larger competitors.

Dependent Upon Support

It should be emphasised that the scheme is probably the most ambitious ever placed before chemists in this country, and that it will succeed or fail according to the degree of support forthcoming. Every pharmacist will recognise the immense possibilities inherent in the plan, and will, it is hoped, lend his full support by donations if possible or, at least, by investment to the limit of his capacity. The fund will be under the control and management of N.P.U., Ltd., the directors of which are members of the N.P.U. Executive. It will be administered by selected N.P.U. staff. *Pharmacy cannot afford to lose its best businesses to multiple concerns and financial interests. The remedy is to be found in the scheme, which deserves the maximum support of every pharmacist.*

New Deal for Photographic Dealers

THE majority of retail chemists rightly regard their photographic trade as a valuable asset in normal times. Some two thousand or more, who gave the subject special attention, actually obtained more than half their pre-war income from their photographic sales. All, but especially the latter, will be interested in a new Order (S. R. & O., 1945, No. 38), which operates from January 29, details of which are given on p. 112 of this issue. Briefly, the Order removes price restrictions on a specified list of second-hand photographic goods—mainly the more expensive types of "still" cameras and 16-mm. ciné projectors, together with their lenses, viewfinders, etc. Photographic dealers may now buy from amateur owners at whatever price is agreed between them. On the resale, however, the dealer's maximum profit is limited to 50 per cent. of the pre-war list price of the article when new. One example will make the working of the Order clear, viz.:—

The pre-war price of a Leica IIIA, with Summar F/2 lens, was £43 9s. 9d.

50 per cent. of this is £21 10s.

Thus, if the trader can buy such a Leica for £10, his maximum selling price is £10 + £21 10s., or £31 10s.

If, however, he pays £100 for the camera, his maximum selling price is £100 + £21 10s., or £121 10s.

The usual condition that a stock record of such sales must be kept has been incorporated in the Order, but the particulars required are simple and can be noted in any exercise book or ledger. It will be recalled that previous Orders provided that the maximum price at which these goods could be sold by a trader was the first-hand price, i.e. the pre-war list price. As their value has been greatly enhanced, a considerable trade had grown up among amateurs and pseudo-amateurs, who have been trading in such cameras at prices up to three times the ceiling price permitted to the photographic dealer.

It is satisfactory that the Board of Trade has at last recognised this injustice, and brought back to dealers this section of their legitimate trade by enabling them t and sell in an open market. The Or the result of negotiations by the P graphic Dealers' Association, exte over two years. The P.D.A. was prepared to take "No" for an answer has returned to the authorities on different occasions with fresh evid The Association is now compiling an "Prices Book," which will give a de list of all apparatus decontrolled b Order, and showing the exact profit is now allowed. Photographic chemist be grateful to the P.D.A. for its import in this matter, and also for watching their interests in the licensing of businesses in this connexion. The Ass tion states that many applications being received by Regional Licensing mittees from retailers who wish t amateur photographic supplies; the m ity are being refused, but it is certain when demobilisation takes place, a number of strong applications will forward from men who have been conn with photography as part of their war These should have sympathetic consi tion, for it is certain that there will boom in photographic sales in the imme post-war years, but it also provides an good reason why retail chemists s bestir themselves and not let this slip away to the shops of compet traders.

Old Prescription Books Wanted.— believed that many chemists have scription books which are so old as t devoid of practical value, and the Min of Supply has issued an appeal for release for salvage of all such books. waste paper they can contribute to supply of munitions needed on such a scale by the fighting services. Paper p a vital part also in other types of equipment, e.g. the carbohydrates pack high-altitude fliers, and wrappings sterilised dressings. The containers vaporisers for emergency anæsthetics made of paper plastics, while articles posed largely of paper include a magnif eyepiece used in surgery, bowls for sur use, and packs containing blood pla Thus old prescription books which hav the past helped to promote health and disease may, in a new guise, perform more the same vital functions.

THE SECRETARY IN SCOTLAND

HUGH N. LINSTEAD (secretary of the maceutical Society) recently addressed ings of pharmacists in Aberdeen, gow, and Edinburgh.

. LINSTEAD posed for his hearers a er of questions about the National th Service, and suggested the answers. we need it? Can we afford it? Is it her step on the road to serfdom, bind- e yet tighter with red tape?" Without doubt, he said, the present health ser- must be pulled together. After close y he had decided that the country could d the scheme. For its administration would be needed an impressive army vil servants, but he regarded as largely inary the suggestion of damage to the ridual's will to fend for himself. The ity of radiographic technique or the racy of results in a biochemical exam- on, he went on, were beyond the ic's judgment, but the appearance of a e of medicine and its taste and pre- tion were susceptible of at least rough- ready judgment by the public. One of tasks that would face the Government to establish confidence in the new ser- and the standard should therefore be of good private dispensing. The pro- ls of the Joint Committee had not yet put into a form for presentation to the Ministers, because criticism by the ntary hospitals, doctors and local orities would cause substantial delay. chances of the Government's proposals g put into effect were substantial, but ecommended pharmacists to be cautious etting ready for the new Health Service.

Aberdeen

rior to the meeting at Aberdeen, which held on January 10, Mr. Linstead, g with guests from other parts of Scot- , was entertained to lunch by the rdeen Town Council. The Lord Provost berdeen welcomed the party to "the ite city," and MR. LINSTEAD suitably ted. MR. JAMES FARQUHAR, on behalf he Branch, thanked the Lord Provost, istrates, and councillors for their hos- lity. In the evening the Aberdeen and th-east Scottish Branch entertained Mr. stead and guests, amongst whom were Lord Provost and councillors; Pro- ors Matthews, Melville, and D. Camp- ; Dr. West (Robert Gordon's College), city chamberlain, city treasurer, and Harry Ree (Medical Officer of lth for the city). The toast of "The Pharmaceutical Society" was proposed by MR. A. C. WEST, and replied to by MR. A. A. MELDRUM (a member of the Society's council). "Town and Gown" was proposed by MR. H. N. LINSTEAD, and the respondents were the LORD PROVOST (Sir Thomas Mitchell) and PROFESSOR J. MATTHEWS. "Our Guests" was proposed by MR. S. T. ELDER, and replied to by MESSRS. J. ANDERSON, Dundee, and A. OFFICER, Glasgow. A vote of thanks to the chairman was proposed by MR. JOSEPH TAIT (resident secretary of the Society in Scotland.)

Glasgow

The Glasgow and South-western Scottish Branch of the Society heard Mr. Linstead on January 11, Mr. Andrew Officer (branch president) in the chair. In the course of the subsequent discussion, MR. WILSON asked if the setting up of health centres in Glasgow would mean that pharmacists would not do national dispensing.—MR. LINSTEAD said pharmacists had the right to say that the present system should be tried out under the new conditions for a period of years and that they should be protected from competition by public money.

In reply to a suggestion that it was impossible for pharmacists in certain areas to keep a stock of everything, MR. LINSTEAD said the Central Pharmaceutical Board might establish a central pharmacy operated on behalf of the pharmacists in the area. He did not think such a plan would work well, but there might be a special depôt where, in an emergency, anything wanted might be obtained. This could be arranged between chemists and the local authority.

MR. CROSBIE asked if pharmacy, as now known, would disappear, and MR. LINSTEAD replied that pharmacy was in the life of the community and would not pass away. A gradual change would take place, but they wanted a long enough buffer period to enable pharmacists to become accustomed to the change.

DR. JOSEPH TAIT (resident secretary of the Society in Scotland) said there were faults in the medical service and in the National Health Insurance scheme, and the public had to get the best service possible. Pharmacists needed to know what was in the minds of the people with whom they had to negotiate, and to have a definite policy defined before meeting them.

MR. A. M. MALCOLM said that, if the Government could go over the heads of the

British Medical Association they might do the same with the pharmacists. Could they be sure that no section would break away and accept terms unacceptable to the majority?—MR. LINSTEAD said there was no evidence of disunity among the ranks of pharmacists.

Remuneration in Scotland

MR. WILSON said that remuneration in Scotland was better than in England, and the Minister of Health would probably estimate on the English payments.—MR. LINSTEAD said the Scottish Department of Health was equally responsible with the Minister of Health for the proposals. The figure of £33,000,000 was just a figure, and members should not assume that the sum provided for the cost would be limited.—MR. SCOTT said the Scottish figure was 2s., against the English 4s. 10d., but MR. LINSTEAD pointed out that it was a question of frequency, MR. A. B. GILMOUR adding that English frequency was double that in Scotland.

MR. CUNNINGHAM asked if it was competent for the Pharmaceutical Society to negotiate for all pharmacists, or was there something in its constitution to prevent this?—The Society could act if all concerned gave it the necessary authority.

MR. W. SPENCE CULBERT said it had been proposed to develop the N.H.I. scheme to include dependants. Would it not have been wiser to do this first and proceed by slow stages?—MR. LINSTEAD said this would give a new lease of life to the Insurance Committees, and bring twenty million people into the scheme. Better tackle the business on the lines of the White Paper.

Various members suggested there would be an increase of proprietary medicine sales when the new proposals came into force, and urged that their sale should be controlled in some way. MR. GILMOUR said that if Denmark could forbid the advertising of proprietary medicines and New Zealand could restrict their sale to registered pharmacists (except for an agreed list of household remedies), Britain could do the same.—MR. LINSTEAD said this question should be tackled at the same time as the National Health Service, but this was a free country and citizens could take their medicine as they desired. It was not the medicine but the advertising that needed reform. In Canada, before any claims could be made for a medicine, it had to be "vetted" by the Department of Health.

MR. SCOTT asked to what extent the Pharmaceutical Society could restrict ac vertising.—MR. LINSTEAD replied that som pharmacists, in their advertisements, sug gested that they were better pharmacist than their neighbours; it was proposed t deal with this matter by writing to th offenders.

MR. A. OFFICER expressed the view tha Mr. Linstead had dealt effectively with th questions put, and MR. A. MCCRONE (vice president) proposed a vote of thanks.

Edinburgh

AT a meeting of the Edinburgh and South eastern Scottish Branch of the Pharma ceutical Society held in Edinburgh o January 12, MR. W. A. BEATTIE (chairma of the Branch) welcomed the speaker, whoı they all knew, he said, as the respecte secretary of their Society.

Opening the discussion, MR. TEASDALI Edinburgh, said that the pharmacists' pos tion in the National Health Service woul largely be based upon their present statu They could not, as Mr. Linstead had em phasised, be satisfied with or advocate mere extension of the National Health In surance scheme. In the past twenty yea the average chemist's shop had become les and less a pharmacy and more and more general store. His professional status ha decreased as the shop-rounds had been re placed by proprietary medicines, and i was to be hoped that the establishment c a National Health Service would mean th establishment of proper health-educatio for the people. While it was agreed tha under the new service the existing facilitie should, where practicable, continue t be used, surely Mr. Linstead as registra and with the information at his dispos through the Society's inspectors, did no seriously suggest that each and ever one of those shops was capable of providin a satisfactory service? The point t be emphasised was not where the pha macist did the dispensing, but that the di pensing should be done by the pharmacist He wondered how they were going to mak dispensing "under the direct and person supervision of a pharmacist" a reality? I could not be done in a shop employing onl one pharmacist.

MR. LINSTEAD said that Mr. Teasdale' views coincided with those of a large num ber of the younger men in pharmacy Abstract terms such as "status" and "re cognition" were dangerous words to us To suggest, for example, that the fact tha pharmacists were not getting coupons fo overalls indicated a lack of "status," wa

er nonsense. The real reason was a s of overalls, not status. They should ld from what they had now.

IR. SOMERVILLE, Edinburgh, said that re seemed to be a great tendency to con- e dispensing with the business of a chem- and druggist as carried out at the ment. There was a great deal more to business of a chemist and druggist than mere dispensing of prescriptions. They e regarded by the public as advisers on sorts of queer chemical problems.

RIVATE LOCKWOOD, Doncaster, thought Linstead's ideas thoroughly sound. y should cut out some of the less desir- e proprietary medicines and give more minence to the professional status of r business. To consider an official de- ry service in future might, he thought, rather dangerous.—MR. LINSTEAD said oubtedly, where the patient was unable collect the medicine, there ought to be obligation on the State to deliver it.

IR. GLASS, Edinburgh, said that, as one he younger members, he believed in the vidual chemist dispensing the nation's licine. He thought that the majority of mists had given a good service for a ll remuneration; and that, if a first-class ice was to be given under the National lth Service scheme, the chemist should adequately paid.—MR. LINSTEAD ex- ssed agreement. The present N.H.I. ice was only a second-rate service, paid a fourth-rate scale.

R. STRUDWICK, North Berwick, said £ s. d. was the crux of the situation.

arate Department for Scotland

IR. DRUMMOND, Edinburgh, asked ther there was any definite promise of parate Department of Health for Scot- l, and whether past differences of terms ween England and Scotland would be gnised. If not, would steps be taken to re that, in any merging of the re- tive schemes of England and Scotland, merging would be up to the Scottish dard and not down to the English one? said "standard" advisedly, without rence to remuneration.—MR. LINSTEAD certain that there would be a separate artment of Health for Scotland. He anticipated that there would be a very rmined attempt made by the Depart- t of Health and the Ministry of Health et the same remuneration and the same rmaceutical service for England as for land. The longer they were able to negotiations going on a joint basis, the er it would be for both countries.

MR. HENDERSON, Edinburgh, said he could not yet call himself a pharmacist, but he was a student of pharmacy. He thought that if chemists' shops were to be used as a basis for a State pharmaceutical service, steps would have to be taken with regard to the equipment and adequacy of the premises.—MR. LINSTEAD, on the question of apparatus and standard of practice, emphasised the necessity for a pharmaceutical service being controlled by pharmacists.

Parties to Contract

MR. STEVENS, Edinburgh, asked whether it was proposed that chemists, so far as the State service was concerned, should be employed by a Board under a contract of service, in the same way that it was suggested the doctors should be.—MR. LINSTEAD said it was contemplated that there should be a Central Pharmacy Board, with whom the individual contracting chemist would have the same relations as he had at the moment with the Insurance Committees.

QUARTERMASTER-SERGEANT ADAMS, Edinburgh, asked in what respect the quality of drugs would be controlled.—MR. LINSTEAD thought there would have to be a tariff similar to the N.H.I. Tariff.

DR. TAIT (resident secretary) complimented Mr. Linstead on his fine lecture. He had been present at the meetings addressed by Mr. Linstead in Aberdeen and Glasgow, and was interested to find that Mr. Linstead had approached the subject from different angles at each of the three meetings. The White Paper, Dr. Tait said, indicated that existing institutions should be encouraged. Health centres would be experimental, and it would be a long time before they were established throughout the country. He thought it important that the Service in Scotland was to be under the control of the Department of Health through the Secretary of State. As regards the pharmacist, he would say that surely "the labourer is worthy of his hire."

MR. SOMERVILLE, proposing a vote of thanks, said members would agree that Mr. Linstead had a full appreciation of their problems, which he had at his finger-tips, and for which he was prepared to fight until a solution was reached.

MR. LINSTEAD, acknowledging the vote of thanks, said he was conscious of a heavy responsibility. They had a difficult year ahead, and he would plead for understanding from the members of the Society and for unity, particularly as between England and Scotland.—MR. HEDDERWICK moved a vote of thanks to the chairman.

COUNCIL CANDIDATES

Brief biographical details about each of the candidates who are standing for electio the Council of the Pharmaceutical Society, 1945, with summarised statements of pol

To assist members of the Pharmaceutical Society to make an informed choice from among the eighteen candidates for Council honours, the Editor has invited each to send in a statement not exceeding 200 words.

Armitage, George Henry

MANAGER, High Holborn, London, branch of Boots, Ltd. Chairman, National Pharmaceutical Employees' Union; member of committees of Society's North Metropolitan Branch and Finchley division. Served overseas in 1914–18 war.

I have worked, ever since the last war, in the interests of qualified pharmaceutical employees, but am mindful that manufacturing and wholesale pharmacy will be affected as much as, if not more than, retail in forthcoming legislation for National Health Service. The professional idealist agitating for abolition of private trading in proprietary medicines, and yet asking for extension of national dispensing in retail pharmacies, seems to me an illogical theorist, forgetting the economic basis of the calling. My plea is that the Society's Council should be strengthened by a more ready appreciation of the economic problems affecting all three sections of pharmacy. The common bond of qualification between manufacturing, wholesale and retail should be sufficiently strong to make all sections work together at this most serious stage of our history. Members should co-operate to protect our vital interests, and with this principle as a basis I offer myself to the electorate in the hope that I can do something for pharmacy.

Atkinson, William

QUALIFIED 1922. Age forty-four. Manager of private pharmacy. Served in Royal Flying Corps in war of 1914–18. Active in branch affairs. Formerly senior vice-chairman of South-west London Branch of the Pharmaceutical Society. Past-chairman, National Pharmaceutical Employees' Association and secretary, National Pl maceutical Employees' Union, at the t of its formation.

I have definite ideas regarding post-pharmacy and the rehabilitation of serv pharmacists, and was responsible for the convening of the special meeting of members of the Society in September 1944, as I felt that the views of the membership had no method of expression as things were. I also moved an amendment at the Branch Representatives meeting in November 1944, that all dispensing should be perfor by pharmacists or under the pers supervision of pharmacists. I am at pre sponsoring an appeal to the Minister Labour to reconsider the Joint Indus Council scale of minimum wages, at l for qualified employees. There should no wage differentiation between the s for members holding equal qualificat No matter to which section of pharm you belong, I solicit your vote. I am w ing only in the interests of the professio

Currie, David

ONE of the major problems facing pharmacy is its inability to speak with a united voice. This leads to a lack of loyalty and to a considerable degree of indiscipline to decisions taken. For this, much blame must be apportioned to the Council, which has been diffident and lacking in initiative; it has walked in step instead providing vigorous leadership. The re is a grave weakening of pharmacy's n tiating power, particularly on the issu the National Health Service on which

y must at once be made clear. There eed also: (1) To instil vigour and ose into all the Council's work, so ing effective the decisions and desires embers. (2) To obtain a ready cross-on of opinion and a co-ordination of y by setting up a joint committee, sory to the Council and representative e major groupings in pharmacy. (3) To amine educational policy in colla-tion with the membership. (4) To blish, now, machinery to handle the lems of pharmacists returning from the ices. (5) To inaugurate a permanent icity campaign for pharmacy. (6) For nsistence that loyalty to pharmacy rides sectional aspirations.

Deacon, Walter

MEMBER of Council for fifteen years, president of Society for three years, and vice-president for one year. Served on its Standing Committees, and was chairman of the Publications Committee over a long period. Also chairman, War Aid Committee, since its inception, and a member of Statu-Committee, Poisons Board and Central maceutical War Committee. Received rary M.Sc. degree from Bristol Univer-for work in connexion with pharmacy. tail business in Bridgwater, and mayor hree occasions. An alderman and e of the peace.

r reasons for seeking re-election, and ims for the future, are:—(1) Consider-experience in retail practice of phar-. (2) Optimism as to the future, if our are rightly directed. (3) Close touch many branches and knowledge of the g of members as to present-day ems. (4) Co-operation between all macists, whether employers, employees, ospital, wholesale or manufacturing. A satisfactory pharmaceutical service adequate remuneration and full nition for the chemist in any future lopments, under the White Paper or circumstances. (6) Earliest release for macists in the services, giving maxi-help on demobilisation. (7) Extended vision and control over proprietary medicines. (8) Hospital dispensing under the charge of pharmacists.

Foster, Bernard

QUALIFIED 1929 from the Royal Dispensary, Edinburgh; secretary, Hull Branch of the Pharmaceutical Society and Hull Chemists' Association. Manager for sixteen years in private and company shops.

I have the support of the Association of Pharmaceutical Employees and the chemists' sections of the National Union of Distributive and Allied Workers and Association of Scientific Workers. I welcome the steps taken by the Council to participate in the new National Health Service. The Pharmacy Board may be necessary, but we must insist that the majority of its members shall be pharmacists, and that they shall be democratically elected. All dispensing and the sale of most medicines are the right of the pharmacist. Unity in pharmacy is essential if we are to receive satisfactory terms of service from the Ministry. Our first concern must be the rehabilitation of ex-Service men—no dilution by an influx of newcomers by Government direction. I welcome the Joint Industrial Council and agree with women pharmacists' demand for equality. I wish to see a high standard of professional conduct; limitation of apprentices rather than of pharmacies; control of fraudulent patent medicines. A balance of all sections of pharmacy will be achieved by the inclusion of retail employees in the Council. I desire to see a strong Society working in unison with other pharmaceutical organisations.

Artificial Blood Plasma.—"The Times" in a recent issue described an artificial blood plasma stated to have been developed by two scientists of Upsala University. It is named dextran, can be produced at a reasonable price in unlimited quantities, and may be used on patients of any blood group. Dextran can be reduced to powder, making transport easy; the powder is dissolved in boiling sterilised water before injection.

ANTIBIOTICS BY INHALATION

An endeavour to assess the quantitative factors governing the employment of nebulised fluids as a vehicle for drugs, and particularly to ascertain whether chemotherapeutic substances can be introduced in this form by the pulmonary route in clinically significant amounts, has been made by Mutch ("Lancet," 1944, 2,775). He gives the basic considerations as being depth of airborne droplet penetration into the bronchial tree; extent to which deposition occurs on the lining membrane of the airways; topical destruction of such deposit as is laid down; rate at which the deposit is removed by absorption; and redistribution of the surface deposit by inward flow under gravity and inhalation, and by outward flow prompted by coughs and ciliary action. Although fine stabilised mists undoubtedly penetrate to the deepest recesses of the lungs, they can have no curative value if carried out again with expired air, while a deposit drug cannot exert any local therapeutic action if rapid absorption prevents the build-up of suitable concentrations in the affected area. As the terminal bronchioles are 300–400μ in diameter, a 5-μ particle should have no difficulty in making the passage, and liquids such as aqueous malachite green, introduced from the larynx, were found to flow quickly along the mucosal surface as far as the finest bronchi. Mineral oils and iodised oils remain in the respiratory passages for long periods, but water and substances dissolved in water are rapidly absorbed. Excessively rapid absorption is undesirable when an antibiotic concentration is to be built up at a mucous surface, and further work is needed to ascertain how best to retard it.

Transit Loss

One suggestion is that of mucin or some other hydrophilic colloid acceptable to the mucosa (e.g. 0·5 per cent. tragacanth). It was found that drug delivery as mist at the face-piece of the apparatus used did not amount to more than half the amount anticipated from simple observations on the loss of weight of the nebulising phial. The maximum amount of drug that could be administered was equal to the maximum mist density multiplied by the patient's ventilation rate. When a 50 per cent. w/v aqueous solution of sulphonamide E.O.S., nebulised by 6–8 litres of oxygen per minute, was inhaled through a small rubber nose-mask, the patient absorbed about 1 mil of the original solution per hour; bronc tatic patients appeared to absorb more normal persons. The author sugg that special indications for employme mists were in respiratory conditio which the air passages are unobstructed in the administration of drugs whic destroyed and therefore rendered ina or toxic when given by the mouth. if 25 per cent. solution of soluble pen compound, equivalent to 400 or more per mgm., were nebulised and adminis through a closely fitting valveless inhal nosepiece, the total of one hour's inhal daily would suffice to deposit 100,000 in the respiratory tract, and a seri spaced doses should secure an adequ constant level of the penicillin comp in the blood.

An Irishman's "Cures."—The "La (1944. II. 609) quotes three rem recommended in "Edgiana," a colle of the sayings of Edward Edge, for Dean's man at St. Patrick's Cath Dublin. They are: *For a cold*: "If i a thing ye had a heavy surfeit o' c faith there's nothin' better ye coul only take an' ate a rale terrible ould book haird'n (buck herring) that 'id ye the divil's drooth (thirst) an' nothin' 'id satisfy ye but you should s two or three bookets o' cowld s wather, and agin yid be in bed b tundherin Mack, the lather o' pesper yid be in id sweep the cowld to blaze o' your body"! *For rheumatism*: "He the docthor in Ireland that 'id cur rheumatism agin me. Sure it's noth the world only the best whisky mixed a little brimstone: Ye take three cro of it every day for three weeks, an force of the alcordn (alcohol) drive sulphur all through yer body and *tea* rheumatism out." *For constipation*: tell ye the greatest cure alive, if it thing ye were tibby (to be) bound *i* body. Yid take and dhrink may be be the divil less than from three to pints o' po-ertther wid a great big l of butther on top of each pint: we fire that down yer neck; and then y up on an ould kyar, and mindja the should be rale joulty, an' yid give th horse a couple o' leadthers o' the and make him gallop as hard as ev could, an (be the good man!) it 'id gi the divil's fine rallyin' and next m yid be as clane as a whistle."

AMERICAN NOTES

itamins Only—A store selling nothing vitamin products has been opened at veland, Ohio, U.S.A.

ncreased Penicillin Output.—The United tes output of penicillin increased from o million units in December 1943 to ,000 million today.

ivilian Change-over Suspended.—Under Order issued on January 12 by the War duction Board of the United States, is previously officially authorised for nverting industry to the production of lian goods have been suspended.

ilitary Status of Army Nurse Corps. pproximately 40,000 U.S. Army nurses today officers of the United States ny, having acquired full military status result of an Act of Congress. Under executive order signed by President sevelt, the entire personnel of the Corps moved into the Army, with the same and prerogatives as other officers. ale dieticians and physical-therapy s will have the same military status as ses.

rotection of Small Business.—The Com- ce and Industry Association announced October 1944 the formation of a metro- tan New York Business and Industry mittee to represent businesses employ- fewer than 500 workers. The committee study individual and group problems legislation, and will make recommenda- s to protect the best interests of small istry. The committee recommends: working out an immediate and long- ge programme for protecting New York ness and industry and for making the gramme effective; (2) co-ordinating ts for legislative action; (3) developing s to advance the metropolitan New k areas' small business in national rs; (4) promoting the interests of ropolitan New York business men in erving the system of free enterprise, ate financing, and free competition.

Vorld Demand for Fats and Oils.—The ted States Department of Agriculture, forecast for 1945, states that world and for fats and oils will probably tinue heavy in 1945 and 1946 in relation available supplies, and tend to support es of fats, oils and oilseed at levels portionately higher than pre-war in tion to prices of most other agricultural ducts. Wholesale prices of fats and oils he United States will probably remain r near ceiling levels during the twelve months of 1945. A moderate decline may occur in 1946, but a major recession in fats and oils prices is not likely until Far-Eastern supplies of coconut, palm, palm-kernel, peanut and soya-bean oils reach world markets in volume. Pre-war exports of these commodities from the Far East, including oilseeds in terms of oil, averaged about 3,333 million lb. annually.

Post-war Insect Control.—The United States Army has worked out efficient methods of insect control and trained thousands of men in the techniques developed. The men and the methods will be available for mosquito and other insect-control programmes once peace returns. In the field, parasitologists and entomologists, with expert knowledge of disease-bearing parasites and the insects which transmit them, command survey units which study each training or combat area, determine the types and breeding habits of insect life, make surveys of the parasites which infect the local native population, and devise ways and means of attacking them. Control units consist of sanitary engineers trained at the Army School of Malariology, Panama, and men trained at Camp Plauche, Louisiana, in all the techniques, such as drainage and the use of sprays for controlling mosquitoes.

Presidential Address.—Speaking at the 1944 annual meeting of the American Pharmaceutical Association, the president (Dr. Ivor Griffith) urged closer liaison between the Association and other national associations in the pharmaceutical field (National Wholesale Druggists' Association, American Drug Manufacturers' Association, etc.). He considered the time was ripe for a Pan-American Congress of Pharmacy, attended by representative delegates from Canada and all the nations of the western hemisphere. He recommended the Association's Committee on Publications to prepare an authentic history of the Association as well as a manual of its organisation and structure to serve as a guide to newcomers. To secure a first-hand report on the present status of Government-sponsored health programmes, Mr. Griffith said he had been in communication with Mr. Linstead, secretary of the Pharmaceutical Society of Great Britain. "Personally," he said, "I have been surprised at the answer, but I give it for what it is worth and so as to get another side of a very complicated picture."

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils rep the prices for wholesale quantities of standard quality. C.i.f. quotations do not i marine war risk insurance and other abnormal charges payable in the present eme

28 Essex Street, W.C.2, January 31

THE week under review has been extremely quiet in the London drug and chemical markets. Makers of PHARMACEUTICAL CHEMICALS report an advance of twopence per lb. in IRON AND AMMONIUM CITRATE. Prices of POTASSIUM PERMANGANATE, both B.P. and technical, have been reduced. The new prices are given.

Crude Drugs

While a steady consuming business continues in this section, there is little else of interest at the moment. Markets are decidedly flat, but values are generally well maintained. Practically no interest is now being taken in AGAR, which continues to sell in small quantities at the controlled price. As noted last week, some Curaçao ALOES may now be obtained on spot. BALSAMS are quiet and without price change. No further supplies of BENZOIN are available. Zanzibar CLOVES is again fractionally dearer on spot. ERGOT is scarce, with the price firm. Stocks of JABORANDI have now been greatly diminished, but the price of remaining lots shows no change on the week. PIMENTO is again dearer on spot. Practically all the spot supplies of high-dried RHUBARB have been cleared, but Shensi is still obtainable. SEEDS are in some inquiry, but little business is being done. All grades of CARNAUBA WAX are dearer, both on spot and for shipment. It is understood that strict control has now been removed from BEESWAX, and that distribution will be approximately on a 100 per cent. basis for approved 1938–39 users. The Association of Merchant Distributors of Beeswax, Ltd., will continue to regulate distribution of home supplies, but applications for export should be made to the Ministry of Supply, 8–10 Old Jewry, London, E.C.2.

Essential Oils

Business in these items is severely restricted owing to lack of supplies, and high prices are being mentioned for any available small quantities, e.g., ANISE (STAR) and PEPPERMINT. English-distilled CLOVE is in good request, and English-distilled NUTMEG continues to find a ready market. There are no changes to report in prices of essential oils imported by the Ministry of Food.

Pharmaceutical Chemica

ATROPINE.—Makers' quotations are ste the following rates per oz.: ALKALOID, 1 oz., 35s.; 4 oz., 34s. 6d.; 25 oz., 34s. PHATE, B.P.—1 oz., 28s.; 4 oz., 27s. 6d.; 27s. METHYL BROMIDE and METHYL NI 1 oz., 65s.

BORIC ACID.—B.P. quality is quot makers as follows: Granulated, £70 pe crystal, £71; powder, £72. Packed in or bags, delivered carriage paid in Great Bri one-ton lots and upward. Commercial £8 per ton less.

CAFFEINE.—Quantities of 7-lb.–28-l quoted per lb. as follows (supplies sub D.M.S. approval): ALKALOID, B.P., 34s. RATE, 23s.; SODIUM BENZOATE, 23s.; S SALICYLATE, 23s. 9d. Tins extra when su

CITRATES.—An advance of twopence has been notified in IRON AND AMM (SCALES), B.P. Other CITRATES are unch

MAGNESIUM CARBONATE, LIGHT.—M home market prices per lb., in quanti 28 lb.–1 cwt., are as follows (contai brackets): 1s. 3½d. (1-lb.); 1s. 2d. 1s. 1d. (7-lb.); 1s. 0½d. (14-lb.); 1s. (Prices net one month.

MAGNESIUM TRISILICATE.—Home prices per lb., for quantities of 28 lb.– are as follows (containers in brackets): (1-lb.); 3s. 7½d. (4-lb.); 3s. 6½d. (7-lb.); (14-lb.); 3s. 5½d. (28-lb.). Prices net one

PHENOLPHTHALEIN.—Current rates follows: Less than 7 lb., 4s. 8d. per lb. 4s. 7d.; 14 lb., 4s. 6d.; 28 lb., 4s. 5d.; 4s. 4d.

PILOCARPINE.—Makers quote at the fo rates per oz.: BASE, 1 oz., 27s.; 4 oz., 2 8 oz., 20s. 9d.; 25 oz., 20s. 3d. NITRATE 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

POTASSIUM PERMANGANATE.—Prices been reduced by 1½d. per lb., for B.P., and per cwt. for technical grade. New rates follows: B.P. (in 1-cwt. drums), 1 cwt. an 1s. 8½d. per lb.; 3 cwt. and over, TECHNICAL (in 1-cwt. drums), 1 cwt. an 166s. 3d. per cwt.; 3 cwt. and over, 16 5 cwt. and over, 159s. 3d.; 1 ton an 156s. 9d.; 4 tons and over, 154s. 3d. TEC (in 5-cwt. drums), 5 cwt. and over, 156s. cwt.; 1 ton and over, 154s. 3d.; 4 to over, 152s. Terms are net, carriage paid containers extra and returnable.

THEOBROMINE.—The following pric ruling: ALKALOID.—Smalls, 44s. 6d. 7 lb.–28 lb., 43s. SODIUM SALICYLATE.— 26s. 3d.; 7 lb.–28 lb., 25s. 3d. Tins extr supplied.

VANILLIN.—The agreed prices are unc as follows: 5 cwt., 21s. per lb.; 1 cwt., 2 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d.

Crude Drugs

R.—Position is unchanged, with small t controlled prices.

ES.—Some Curaçao is reported available s. per cwt. Offers of Cape are readily up when available.

SAMS.—No change in the position. *Peru* ted at 7s. 9d. per lb., duty paid; *Canada* dy at 9s. 9d. *Copaiba* and *Tolu* are unable.

LADONNA.—Indian leaf is quoted on spot 1d. to 6s. 3d. per lb., according to test. es of root are small.

ZOIN.—Stocks are practically exhausted, high prices being asked for remaining es.

HU LEAVES.—New crop should be avail- t 5s. 3d. per lb., landed.

DAMOMS.—Current spot prices are as s: Aleppy greens, 5s. 6d. per lb.; Aleppy 5s. 6d.; split seed, 5s. 6d.

ÇARA SAGRADA.—There is nothing offering sent.

VES.—Again quoted dearer at 1s. 6d. per Zanzibar.

ONUT (DESICCATED).—No change in the lled price of 49s. per cwt.

ÔT.—Remains scarce and firm. Any ble supplies of good-quality material fetch 6s. 6d. per lb.

I ACACIA.—Prices firm and unchanged. fan cleaned sorts, spot, 80s. per cwt.; ed, spot, 185s.; Talha, cleaned, 50s. per anded.

ORANDÍ.—Spot supplies are now small. steady at 62s. 6d. per cwt.

AP.—Spot prices for 12·7 per cent. resin per cent. resin are 5s. per lb. and 4s. 3d. , respectively.

IALA.—Material yielding 6 per cent. ash be worth 2s. 6d. per lb.

RRH.—Spot price of good-quality Aden emains at £20 per cwt.

MEGS.—West Indian, wormy and broken, s. 8d. per lb.; sound unassorted, 1s. 11d.

VOMICA.—Cochin is quoted on spot at l. per cwt.; shipment, 31s. 6d., c.i.f.

ENTO.—Fractionally dearer at 1s. 3½d. , sellers.

BARB.—Supplies of high-dried are prac- cleared. Some Shensi irregular shapes e obtained at 14s. 6d. per lb.

DS.—Business is small, with quotations nged. Current rates are as follows: NDER.—Practically no supplies available; nominal at 85s. per cwt. CUMIN.— e, spot, 110s.; Indian, 100s. DILL.— ex wharf. FENNEL.—Offered at 85s. REEK.—May be had at 80s. MUSTARD.— lled prices are unchanged.

NA.—Alexandrian medium pods are at r lb.; Tinnevelly, manufacturing grade, 6d. to 6½d.; hand-picked, 8½d. to 1s.; broken Alexandrian leaves, 1s. 3d. to 1s. 4d.; siftings, 1s. 2d.; Tinnevelly, No. 1, 9d. to 10½d.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.

SQUILL.—Indian, dried and sliced, 40s. to 45s. per cwt., according to quantity. Portuguese, 87s. 6d.

TRAGACANTH.—Medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, £12 to £15.

WAXES.—BEES'.—Available in London at the following prices per cwt., delivered at store U.K., effective October 16, 1944, for ton lots: Madagascar crude, 205s. to 230s.; other sorts of crude, 238s. to 245s. (Calcutta sorts unavailable); British refined, 275s. to 305s.; British bleached slabs, 300s.; British bleached discs, 320s.; lots of under one ton, at premiums as follows: 10–20 cwt., 2s. 6d. per cwt.; 5–10 cwt., 5s. per cwt.; 1–5 cwt., 10s. per cwt.; under 1 cwt., at premiums as arranged by Association members at their discretion. Strict control has been removed and distribution is to be approximately on a 100 per cent. basis for approved 1938–39 users. Home supplies will remain under the control of the Association of Merchant-Distributors of Beeswax, Ltd., but applications for export should be made to the Ministry of Supply. CARNAUBA.—Fatty grey, 520s. per cwt., ex store, in minimum one-bag lots; shipment, 405s., c.i.f.; Primeira, 540s. per cwt., ex store; shipment, 485s., c.i.f.; medium yellow, nominal; shipment, 440s., c.i.f.; chalky grey, 500s.; shipment, 390s., c.i.f. (c.i.f. prices include ½ per cent. W.R.I.). CANDELILLA.—Under 1 ton, 220s. per cwt.; 1–5 tons, 218s. 6d.; 5 tons and over, 217s. 6d., ex store. OURICURI.—Spot, 325s. per cwt.; shipment, 282s. 6d., c.i.f.

Essential and Expressed Oils

ANISE (STAR).—No change in the position. Small lots in second hands are offering at 160s. per lb.

CASTOR.—"Firsts" are officially quoted at £82 per ton, and "seconds" at £80, both naked ex works, in bulk lots.

CITRONELLA.—Java, exceedingly scarce at around 27s. 6d. per lb.; Ceylon, approximately 21s. per lb.

CLOVE.—English distillers' prices are steady at from 12s. 6d. to 13s. per lb., according to quantity.

EUCALYPTUS.—About 8s. 6d. per lb. would be wanted for oil containing 70 to 75 per cent. cineole.

GINGERGRASS.—Spot, approximately 22s. 6d. per lb.

NUTMEG.—English distillers' quotations are unchanged at 35s. per lb. for oil from West Indian material.

RAPESEED.—Official quotation is unchanged at £88 per ton, naked ex works.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real and address to the Editor

Tin in Collapsible Tubes

SIR,—It may be of interest to many of your readers that, according to a notice in a recent issue of the "Metal Bulletin," the president of the Sun Tube Co. has recently made a statement to the effect that, though the use of tin in the United States is still strictly limited, a large proportion of the pre-war users of tin tubes has indicated an intention of resuming the use of tin tubes when tin becomes available. In the peak year of 1941, over 4,000 tons of tin were used for collapsible tubes in the United States. The present consumption there is about 500 tons yearly. It may also be worth noting that the pre-war consumption of tin for collapsible tubes in this country was not much more than the present use of tin in the United States for the same purpose.

Yours faithfully,

London, N.W.1. W. E. FITZHUGH, *Secretary*, Collapsible Tube Manufacturers' Association.

Who Shall Decide?

SIR,—The statement made in Liverpool by a member of the Society's Council (see *C. & D.*, January 27, p. 97) that the Council "does not accept the suggestion" that the Joint Pharmaceutical Committee should include a delegate from the company chemists, constitutes a serious challenge to the fundamental rights of members of the Society. In the first place a resolution on this subject passed at the Conference by seventy-seven votes to forty-six was not a suggestion—it was a deliberate and overriding decision to reverse the Council's policy, and the Council is under an obligation to regard it as such. The merits of the subject of the resolution were fully discussed at the Conference: is the Council entitled to flout a decision of the Conference on a matter on which the Conference is competent to decide? Secondly, members of the Society have no effective means of controlling the Council's errors of judgment other than that afforded by the Branch Representatives' meeting. If the right to veto the Council's mistakes is endangered the Council becomes a simple dictatorship. A precedent of first-class importance will have been created if the incident is allowed to pass unchallenged, and discussions, resolutions, and the meticulous cou of hands will become a solemn farce becomes a matter of "heads we win, you lose." The remedy left to memb to show, at the coming election, that will in no circumstances surrender right to be master in their own house.

Yours faithfully,

Long Eaton. GRANVILLE SHA

Dangerous Drug Dilutions

SIR,—The new emphasis on the fact morphine, cocaine or their salts, diss in or diluted with an inert substan "any proportion" constitute in la dangerous drug (see *C. & D.*, Decem 1944, p. 613; and January 20, p. 56), reminds us of an inter possibility, namely, that the defi may in some circumstances clash the established principle "De minimi curat lex." An opinion given by the Office in 1933, to which you refer in editorial (January 27, p. 93), appea reinforce the principle and modify the incidence of the regulation. The pri was applied in a case decided in the Court in 1893. On p. 441 of the *C. Diary*, 1911, we read: "The appe P.S.G.B. *v.* Delve was brought by the ety against the refusal of the Manch County Court Judge to convict an un tered vendor of stamped cough prepar which contained morphine. . . . The chester Judge . . . did not consider tha evidence as to quantity was sufficie justify conviction of the defendant. High Court Judges, without calling defendant's counsel, refused the a Mr. Justice Wright remarking that i an abuse of language to say that were preparations of morphine. This established the principle 'De minimi curat lex,' . . . a preparation may tain so little poison as to be non-pois and beyond the reach of the law." grain of morphine hydrochloride is solved in a gallon of water, the streng the resulting solution, according t calculation, is 1 in 76,800. What vi a court of law likely to take of a solution? Would the "de min maxim prevail, or would the defi cited from the 1932 Dangerous Drug override it?—Yours faithfully,

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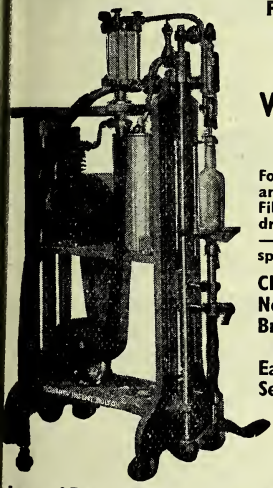

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FEBRUARY 3
1945

ment Advertisements must be prepaid and should reach us not later than FIRST POST WEDNESDAY
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PHARMACEUTICAL COUNCIL ELECTION 1945

In the coming months it is essential that attention should be directed to the following
ims—

- **NATIONAL HEALTH SERVICE.** To obtain conditions which will fully recognise, utilise and reward the services of pharmacists.
- **POST-WAR POLICY.** To develop a post-war policy for pharmacy which will advance and protect the professional interests of pharmacists.
- **PROPRIETARY MEDICINES.** To secure effective control over proprietary medicines.
- **DEMOBILISATION OF PHARMACISTS.** To secure the earliest possible release of pharmacists.
- **RE-ESTABLISHMENT OF EX-SERVICE PHARMACISTS.** To assist ex-Service pharmacists to re-establish themselves in civil life.

**The following members of Council retire this year and offer themselves
or re-election—**

W. DEACON
W. S. HOWELLS
J. F. McNEAL
A. A. MELDRUM
H. C. SHAW
F. C. WILSON

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oyment of Women (Control of Engagements) Order 1942

certain exceptions, women over 18 and under 41 of age seeking Employment and Employers seeking age such women are now required to do so only gh the local office of the Ministry of Labour and nal Service or an approved employment agency.

RETAIL (HOME)

ISTANT Male, Unqualified. experienced Dispenser essential. London. Permanency. Apply 32, C. & D. London Office.

ISTANT required for good-class suburban Business; dispensing experience not essential; alf-day or holiday duties; hours, 9 a.m.–6.30 Apply, with usual particulars, Arthur T. Gray, 5 High Street, Barnes, S.W.13.

LLY-QUALIFIED Chemist required by large Departmental Store in Birmingham. Must be pt. 594/362, C. & D. London Office.

NAGER, Qualified Chemist and Optician, or Chemist, for duration only. North-East coast. 327, C. & D. London Office.

QUALIFIED Assistant, Lady or Gent. Full time or part-time. Chiefly Dispensing. Alternate Sunday and holiday duties. Good-class Family business. North-west London area. 593/340, C. & D. London Office.

QUALIFIED and Unqualified Assistants, exempt from military service; partly wholesale; no Sunday duty. Apply, Shadforth Prescription Service, Ltd., Mitre Works, Cordova Road, Bow, London, E.3.

REPRESENTATIVES to call on Chemists with well-advertised proprietary Medicines, covering (1) Yorkshire; (2) Lancashire; (3) West Midlands; (4) West Scotland; (5) Northumberland, Durham, Cumberland, Westmorland. Write, giving full particulars as to experience, connexion (if any), age, etc. CDB/364, C. & D. London Office.

ROYAL Arsenal Co-operative Chemists, Ltd., invite applications from qualified pharmacists for the position of Manager; unqualified Assistants also required; good post-war prospects and holidays with pay. Apply in writing, stating age, experience, salary required, and position under the National Service or Registration for Employment Order Acts, to the Superintendent Chemist, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

LOCUMS WANTED

PHARMACISTS required for Locum work during summer holiday period (14–15 weeks). Applications, stating terms and available dates, to Oldham Co-operative Chemists, Ltd., King Street, Oldham.

WHOLESALE

A CITY firm of Wholesale Distributors and Exporters have a vacancy for a keen and energetic Foreman Packer, capable of acting on own initiative; good prospects for the right applicant. Please write, giving age, experience, and salary required, to 595/385, C. & D. London Office.

ANALYTICAL Chemist required by London Manufacturing Chemists, working under Essential Works Order. Practical works experience of general routine analysis and alkaloidal assays of drugs, including opium, essential. Reply, giving particulars of experience, salary, etc., to 578/706, C. & D. London Office.

ASSOCIATED Wholesale Distributors require further Travellers to call upon Chemists, Grocers, and Allied Traders in (*a*) London and surrounding areas within 60 miles; (*b*) throughout Great Britain. Permanent positions with excellent prospects. 121/122 Goulston Street, London, E.1. Tel.: BISH. 1880.

ASHE Laboratories, Ltd., Manufacturing Chemists, require Representatives with established connexions among Retail and Wholesale Chemists: (1) Lancashire, (1) Yorkshire, (1) S.-W. Counties, (1) N. London; first-class men only need apply; permanent, with excellent post-war prospects. Write full particulars, in first instance, to Pharm. Sec., Ashe Laboratories, Ltd., 120–2 Victoria Street, London, S.W.1.

CHEMIST required, capable of organising and re-starting factory to manufacture Toilet Preparations. Knowledge of good packs, presentation and control of labour essential. Very old-established House at present concentrated. Reply fully to 594/363, C. & D. London Office.

EXPERIENCED Representative required for West of England and South Wales, by high-class ethical Manufacturing Chemists, to call on Hospitals, Doctors, and Chemists; must reside in territory. Write, stating age, experience, qualifications, and liability to military service, to "P. D.," c/o Charles Barker & Sons, Ltd., 31 Budge Row, London, E.C.4.

EXPERIENCED Representative required for Scotland, by high-class ethical Manufacturing Chemists, to call on Hospitals, Doctors, and Chemists; must reside in territory. Write, stating age, experience, qualifications, and liability to military service, to "N. B.," c/o Charles Barker & Sons, Ltd., 31 Budge Row, London, E.C.4.

EXPERIENCED Representative required for Birmingham and District, by high-class ethical Manufacturing Chemists, to call on Hospitals, Doctors, and Chemists; must reside in territory. Write, stating age, experience, qualifications, and liability to military service, to "O. C.," c/o Charles Barker & Sons, Ltd., 31 Budge Row, London, E.C.4.

ENERGETIC Representative required, with connexion wholesale Chemists, etc., for well-known advertised products; salary and commission; good prospects. Full particulars, with experience, Box P1073, Samson Clarks, 57–61 Mortimer Street, W.1.

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H. J. WORWOOD,
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CASH Registers, National, Remington, and Gledhill. Wanted for spot cash. All sizes, age immaterial, any quantity entertained. Amalgamated Business Machines, Ltd., 64 Mortimer Street, Oxford Circus, W.1. Phone MUSeum 0941. Repairs, Sales, Exchanges, Supplies, Rolls, Ribbons, etc.

EMPTY washed Bottles, new or used, from 6 oz. to 26 oz., required by manufacturers; any quantity from 10 gross upwards bought; best prices paid. Offers to 595/386, C. & D. London Office.

MACHINERY wanted. Steam-jacketed Mixer. Capacity approx. 30 gallons. Preferably with stainless steel or nickel-plated Inner. 595/408, C. & D. London Office.

MANUFACTURING Chemists require 2 cwt. Para-Arsanilic Acid (Para-aminophenyl arsonic acid). Will manufacturers able to supply or willing to make contact, write 593/328, C. & D. London Office.

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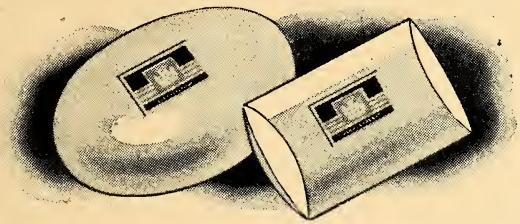

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